This prospectus provides details about RMIT’s Melbourne-based undergraduate and diploma programs for international students. For information on programs offered at the Vietnam campuses and other partner universities, visit www.rmit.edu.au. Programs in this prospectus include TAFE programs, associate degrees and bachelor degrees. The term ‘degree’ for the purposes of this publication refers to bachelor and associate degrees.

For details about RMIT’s postgraduate programs including honours degree programs, please refer to the 2014 Postgraduate Coursework, Research and Honours prospectus for international students.

Date of issue: May 2013
RMIT University CRICOS Provider Code: 00122A.
RMIT University is a global university of technology and design, focused on creating solutions that transform the future for the benefit of people and their environments.

One of Australia’s original educational institutions, RMIT has extended its global reach to include three campuses in Melbourne and two campuses in Vietnam, with programs also offered through partners in Singapore, Spain, Hong Kong, mainland China, Indonesia, Malaysia and Europe. With its international reputation for excellence in professional and vocational education and high-quality outcome-oriented research, RMIT prepares graduates for employment and active participation in communities across the world.

Close collaborations with industry form an integral part of the University’s teaching, learning and research, providing solutions and innovations to deliver real outcomes. Programs include industry placements, work experience and the involvement of industry practitioners in teaching, as well as many student mobility initiatives where students can take part in an exchange experience with one of our international partners.

As a result of the many opportunities afforded to them, our graduates possess a broad knowledge base, industry-ready skills and the ability to think critically and creatively. This means our graduates have a competitive edge when entering the international job market.

At RMIT, you will have opportunities to connect with local and global networks of expert academics and industry leaders, and apply knowledge and skills that can make a real difference.

We look forward to welcoming you to our diverse and vibrant community of students.

Professor Margaret Gardner AO
RMIT Vice-Chancellor and President
Study at an awarded global university

Through world-class teaching and learning spaces, practical projects, opportunities for work experience with organisations like Rolls-Royce, L’Oréal and Siemens, and study exchanges to over 31 countries, RMIT’s 470 internationally recognised qualifications will set you up for a global career.

Proven employability outcomes

RMIT was ranked 75th in the world by global employers for graduate employability in the 2013 QS World University rankings. Most of RMIT’s programs are professionally and internationally recognised, which means you can open career doors across the world.

Eighty-five per cent of RMIT’s fields of research were rated as world standard or above in the 2012 Excellence in Research for Australia assessment by the Australian Research Council.

Global industry connections

RMIT is connected to industry world wide, including companies like Rolls-Royce, Siemens, Nestlé, IBM, Deloitte, Alcoa and many more. The real-world focus of many RMIT degrees is extended through opportunities to gain overseas clinical and industry experience.

The RMIT International Industry Experience and Research Program (RIIERP) is a unique collaboration between students, companies and academics that provides the opportunity to undertake 6-month to 12-month placements in some of the world’s most influential organisations. Currently, 165 international companies are involved across Europe, Asia and North America.

Student exchange and short study tours

RMIT has exchange partnerships with more than 150 educational institutions across 31 countries, giving you opportunities to broaden your experience through a semester or two abroad. RMIT also offers shorter study tours and international research projects.

Diversity in the classroom

RMIT is recognised as one of the most internationally diverse universities in the world. With more than 74 000 students from over 100 countries, and almost half of RMIT’s academics born outside of Australia, you will have one of the most culturally enriching experiences possible.

RANKINGS

» Within the top 10 Australian universities in the world
» Ranked 7th in the world for the number of enrolled international students
» QS 5 Star rating for excellence in higher education and in the categories of:
  » Employability
  » Engagement
  » Facilities
  » Teaching
  » Infrastructure
  » Internationalisation
  » Engineering and technology

FAST FACTS

» Established: 1887
» Total student population: 74 000+
» International student population: 30 000+
» Campus locations:
  » Melbourne, Australia (City, Brunswick and Bundoora);
  » Ho Chi Minh City and Hanoi, Vietnam
» International students in Melbourne campuses: 11 000+
» Study levels: Foundation studies, certificates, diplomas, advanced diplomas, associate degrees, undergraduate degrees and postgraduate degrees
» Number of schools: 24
» Number of academic staff: 4595
» Percentage of academic staff born overseas: 44%
The Swanston Academic Building, home to the College of Business at RMIT.
Adidas, BMW, Rolls-Royce, United Nations, Alcoa, L’Oréal, IBM, Deloitte, KPMG, Epworth Hospital, Nanjing University of Chinese Medicine (China), ARUP; these are just some of RMIT’s partners who give our students the most valuable learning experiences.

You will strengthen your career prospects through hands-on experience, with opportunities to:

» take on real or simulated industry projects for real clients
» undertake local and overseas work placements
» enter project competitions judged by leading experts
» build your skills through field trips, and clinical and studio practice
» be mentored by industry professionals.

SHEFTON PARKER

Chinese Medicine student Shefton Parker spent time learning in Nanjing, China and explains how RMIT’s program has set him up for a successful career.

JAMES SANDERS

After participating in the RMIT–Deloitte Innovation Fastrack Program during his Entrepreneurship degree, James Sanders secured a job in innovation at Deloitte Digital.

KATE GREENWOOD

Urban and Regional Planning graduate Kate Greenwood went to Nepal to develop and construct buildings for a local community. She now works at Urbis, a leading Melbourne planning firm.
RMIT Business Plan Competition
The RMIT Business Plan Competition is the biggest program of its type in Australia, maintaining strong ties to industry through its impressive contingent of judges, mentors and sponsors. Now in its twelfth year, the annual competition helps students turn their business dreams into reality. In 2012, 112 entries were received, each with their eye on the RMIT University AU$25 000 first prize. Runners-up and other finalists each year share in up to AU$75 000 in cash and other prizes.

Advertising students win global award
RMIT University Advertising students Jackson Harper, Millie Malcolm and Luke Falkland-Brown have won a Best of Year award at the Design and Art Direction (D&AD) Student Awards in London for their digital campaign for Aviva.
‘D&AD is probably the most prestigious ad student award in the world and the track record RMIT students are building there is just incredible’, commented Bob Isherwood, former creative director of Saatchi & Saatchi.

New life for disused city spaces
Landscape Architecture students took up the challenge of transforming a vacant lot that had been disused for 30 years. They developed and implemented design strategies to reinvigorate the space and put their new skills into practice.

Air powered motorbike
Industrial Design student Dean Benstead designed and developed the O2 Pursuit, a functional prototype of a motocross bike that is fuelled purely by compressed air. The clean and green motorcycle was unveiled at the 2011 Sydney Motorcycle and Scooter Show, and later won the Product Design (Automotive and Transport) category of the Melbourne Design Awards. Supported by Yamaha Australia, preliminary testing of the bike showed that it can reach speeds in excess of 100 km/h.

Medical science
RMIT’s medical sciences students gain hands-on experience through RMIT’s state-of-the-art infrastructure and equipment at the Bundoora Campus. Medical sciences graduates from RMIT have some of the highest employment rates in Australia. Nursing students receive practical experience in purpose-built clinics and real work environments.
At RMIT there are so many ways to enrich your studies:

» semester exchanges to over 150 partner institutions around the world
» semester exchanges to RMIT’s campuses in Vietnam
» group study tours of up to one month in Europe, Asia and the Americas
» international work placements.

International recognition
With many programs being recognised internationally, RMIT graduates are employed in more than 100 countries around the world.

Recognition can include:
» full accreditation
» membership of overseas professional associations
» membership of Australian associations that have membership arrangements with overseas bodies.

International work experience
The RMIT International Industry Experience and Research Program (RIIERP) offers degree students the opportunity to undertake a paid internship with companies such as Rolls-Royce, BMW, IBM, Nestlé, Airbus, Boeing, CSIRO, Siemens, Bosch and more, in Europe, Asia and the USA.

Where will your dream internship take you?
www.rmit.edu.au/RIIERP

Study exchange
Have you always dreamt of exploring the bright lights of New York, the historic architecture of Vienna or the natural wonders of South America? There’s no better way to do it than by taking a semester or two abroad.

Did you know RMIT is ranked in the top five universities in Australia for the number of students who undertake international experiences?
www.rmit.edu.au/globalpassport/educationabroad

INTERNATIONAL EXCHANGE PROGRAM
The International Exchange Program (ISEP) is the world’s largest student exchange network with more than 300 institutional agreements in 50 countries. As a member of this network, RMIT University students can apply for exchanges to institutions where RMIT does not already have an existing direct exchange agreement.
www.isep.org
Open your mind to global opportunities and build your networks for the future

Location of RMIT’s exchange partnerships
- Austria
- Belgium
- Canada
- Chile
- China
- Colombia
- Czech Republic
- Denmark
- Estonia
- Finland
- Ireland
- Italy
- Japan
- Korea
- Malaysia
- Mexico
- Netherlands
- New Zealand
- Norway
- Philippines
- Poland
- Spain
- Sweden
- Switzerland
- Taiwan
- Thailand
- Turkey
- UK—England
- UK—Scotland
- UK—Wales
- USA
- Vietnam

DING, DING—NEXT STOP LYON

Hansley Maudhub
Through RMIT’s RIIEP program, Hansley Maudhub secured a yearlong internship to work with Keolis, the largest private-sector transport group in France. The Electrical Engineering student arrived in Melbourne from Mauritius only four years ago and has already spent six months working for Yarra Trams in Melbourne.

ROLLS-ROYCE WELCOMES INTERNS TO BRISTOL

Branko Bejares
‘I got to work with some of the best minds in the aerospace industry and deal with air force personnel from all around the world. Every day, I got to see how a leading aerospace organisation functions. I feel very privileged to have worked with Rolls-Royce and I am greatly appreciative of RMIT University for giving me this opportunity.’

Nathan Snoxall
‘Being placed in a service engineering role provided a vast array of interactions with engineers specialising in many different areas, which personally helped me to develop an understanding of what engineers do in industry.’

Bachelor of Engineering (Aerospace Engineering) students Branko Bejares and Nathan Snoxall undertook international work experience with Rolls-Royce, Bristol (England) as part of the RMIT International Industry Experience and Research Program (RIIEP).
Hot topics
Cool research

Exciting new discoveries constantly drive industry advancement and influence society. RMIT offers dynamic research opportunities that inspire students to achieve what they never thought possible.

RMIT research students often get the chance to work on commercial research projects that can take them across the world through RMIT’s internationally recognised research institutes and centres:

» Design Research Institute
» Global Cities Research Institute
» Health Innovations Research Institute
» Platform Technologies Research Institute.

www.rmit.edu.au/research

Go jogging with a robot

RMIT’s Joggobot is fast becoming an international sensation. The Joggobot is a flying robot that hovers in front of you as you jog, using a camera that focuses on a design on your T-shirt. It is a project of the Exertion Games Lab within RMIT’s School of Media and Communication.

‘The Joggobot can function in two modes—like having a companion… or like a coach, pushing you a little harder. Our aim is to inspire thinking about how technology, such as robots, can get people excited about being physically active again,’ says Dr Florian ‘Floyd’ Mueller, who is heading up the project.

Scan this code to watch the online video about Joggobot
EVERY GREAT NEW BREAKTHROUGH IS THE RESULT OF RESEARCH

RMIT and Audi drive automotive research
Researchers from RMIT’s Games and Experimental Entertainment Laboratory (GEElab), in collaboration with Audi, have developed a conceptual rear seat system to entertain and inform passengers using holographic 3D projection, location awareness and interaction using hand gestures. They are planning a prototype in coming months, which could appear in cars within the next five years.

Rebuilding communities in the wake of disaster
The 2004 tsunami had devastating effects on communities in Sri Lanka and India. Drawing on research in these countries, researchers at RMIT have published the most extensive study ever conducted on rebuilding communities after they have been hit by a disaster.

Rebuilding Local Communities in the Wake of Disaster: Social Recovery in Sri Lanka and India (Routledge) offers deep insights and learnings into not just rebuilding bridges, buildings and roads, but also supporting communities to rebuild their lives with dignity.
A guaranteed pathway to RMIT University

Certificates and diplomas

RMIT pathways offer you the opportunity to receive study credit towards a higher level of study—normally a bachelor degree. For example, if you complete a relevant certificate or diploma program with the required entry scores, you may be able to move straight into the second or third year of the related bachelor degree. This means you do not have to start the bachelor degree from the beginning, which may reduce the total cost of your studies.

Pre-university pathways

Victorian Certificate of Education (VCE)

Students who complete secondary school in the state of Victoria receive the Victorian Certificate of Education (VCE). The VCE is recognised Australia-wide and internationally as a tertiary entrance qualification.

VCE Year 11

You can complete Year 11 (VCE Units 1 and 2) at RMIT. Many international students choose VCE Unit 2 as preparation for Foundation Studies. This provides you with the opportunity to learn among a majority of native English speakers and develop skills specific to your academic interest area. At the completion of Unit 2, you may decide to proceed to Year 12 (VCE Units 3 and 4) or move into Foundation Studies.

www.rmit.edu.au/programs/c2084

VCE Year 12

International students who complete Year 12 (VCE Units 3 and 4) at RMIT receive a Victorian Certificate of Education and can apply directly for a university degree or diploma. Prerequisites and minimum entry scores apply.

www.rmit.edu.au/programs/c2085

Foundation Studies

RMIT’s Foundation Studies, offered through RMIT International College, is recognised for entry into degree and diploma programs by RMIT and other Australian and international higher education institutions. You can enter from either Year 11 or 12. The availability of three intakes a year means you are able to commence at a time convenient for you.

Foundation Studies has four streams:

» Business
» Art, Design and Architecture
» General
» Science, Engineering and Health

Three of these are tailored to prepare you for further study in the specific field of your choice. If you have not yet decided on your future field of study or are looking for wider course options, you can choose the General program, which can provide a pathway into any RMIT undergraduate degree program.

You should undertake a Foundation Studies program if

» you have completed a Year 11 equivalent and need some extra preparation before beginning university
» you have completed Year 12 but cannot gain direct university entry
» you have not done as well as you had hoped in previous studies and need alternative pathway to RMIT University
» your preferred program specifies a prerequisite that you have not completed, such as a specific subject or portfolio.

PATHWAY OPTIONS FOR FOUNDATION STUDENTS

<table>
<thead>
<tr>
<th>Standard</th>
<th>Foundation program</th>
<th>Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 11 or equivalent D average IELTS 5.5 (no band below 5.0)</td>
<td>Business Stream&lt;br&gt;Art, Design and Architecture Stream</td>
<td>Associate Degree&lt;br&gt;Diploma Year 3&lt;br&gt;Year 2</td>
</tr>
<tr>
<td>Accelerated</td>
<td>General Stream&lt;br&gt;Science Engineering and Health Stream</td>
<td>Year 1</td>
</tr>
</tbody>
</table>

RMIT Design teacher, assisting students with their coursework.

RMIT students promoting their product at the Trade Fair.

RMIT design student preparing her drawing for the annual design exhibition.

PATHWAYS
I had no proper arts training and was interested in studying architecture, but I had no idea how to go about it. I chose Foundation Studies because it would allow me to learn the fundamentals and help me prepare for my future in architecture.

Hana Najeeb
Foundation Studies
Campuses

With the opening of the technologically advanced 11-storey Swanston Academic Building in 2012 and the brand new 10-storey Design Hub, RMIT is set to redefine research, teaching and learning standards globally. This is all part of RMIT’s AU$600 million campus refurbishment.
City campus

RMIT’s main campus is located in the heart of Melbourne, surrounded by the best of what the city has to offer, from restaurants and cafés to parks, markets and the State Library of Victoria. The campus is easily accessed by public transport and is just across the road from Melbourne Central Station, connecting you to every suburb in Melbourne. The city location also makes it easier to find part-time work.

Bundoora campus

The leafy suburb of Bundoora houses many of RMIT’s engineering, and health and medical sciences programs. RMIT’s state-of-the-art facilities are easily accessed by greenery and large open spaces that provide students with a relaxing environment. The campus features a purpose-built health and medical science laboratory, as well as advanced sporting facilities that include a FIFA-approved soccer pitch, a football oval, an athletics track, and tennis and netball courts.

Brunswick campus

Located on the thriving outskirts of the central business district, Brunswick is popular with Melbourne’s up-and-coming artists, fashion designers and musicians. The area is lined with one-off boutiques, thrift stores and student-filled cafés. The campus is home to many of RMIT’s design-related programs, including fashion, textile design and technology, merchandising and product development.

RMIT Vietnam

RMIT International University Vietnam is Vietnam’s first fully foreign-owned university licensed to operate in its own right. With new facilities in Hanoi and Ho Chi Minh City, the University offers internationally recognised degrees taught in English, with the same content as is delivered in Melbourne. Students from RMIT in Australia can undertake a semester of study at a Vietnam campus.

www.rmit.edu.vn
Welcome to the most liveable city in the world

Melbourne has regularly been voted one of the world’s most liveable cities by the Economist Intelligence Unit’s annual survey and held the top position for two consecutive years.

It is also ranked fourth in the world, in the 2013 QS Best Student Cities.

Melbourne’s maze of hidden laneways and arcades contains some of the city’s most eclectic cafés, restaurants, boutique art and fashion. You will be captivated by its urban charm.
Multiculturalism
Melbourne benefits from the influences of more than 230 different nationalities that have contributed to the city's most popular dining and entertainment destinations. With Chinatown, Little Italy, the Greek Quarter and the Spanish and Latin flavours of Johnston Street to choose from, you will be sure to find a little piece of home.

Arts and culture
Melbourne is home to hundreds of commercial and public art galleries, the Victorian Arts Centre and a vast array of historic theatres. You will discover inspiring street art, private exhibitions and secret galleries.

Sports capital of the world
The calendar is packed full all year round with events including:
» Australian Open Tennis Championships
» Formula One Australian Grand Prix
» Spring Racing Carnival and the famous Melbourne Cup (horseracing)
» Rip Curl Pro Surfing Championships
» Australian Football League (AFL) season from March to September
and so many more, including soccer, rugby and cricket.

City of festivals
Melbourne's annual festival calendar brings the city's streets and venues alive. Some internationally renowned events include:
» Melbourne International Comedy Festival
» Melbourne International Film Festival
» Melbourne Festival (international arts festival)
» L'Oréal Melbourne Fashion Festival
» Melbourne Food and Wine Festival
» Melbourne Writers Festival
» Melbourne International Jazz Festival.
When music festival season hits in September, it is weekend after weekend of camp-outs with the best live bands and DJs—music to your ears!

Public transport
Getting around in Melbourne is easy. Melbourne’s network of trams, trains and buses allows you to explore the entire city and surrounding suburbs from morning to night. RMIT’s campuses are all easily accessible by public transport.

Melbourne style
From vintage thrift shops to Australia’s own original designers to all that’s high tech, there is a store, a style and a price to match everyone’s taste.
RMIT participates in the L’Oréal Melbourne Fashion Festival each year and students are often selected to showcase their designs in front of Australia’s top designers and fashion elite.
As an RMIT student you will have access to:

» international student support
» careers and employment services
» disability services and support
» financial advice
» health services

» housing assistance
» legal advice
» childcare
» personal counselling.

www.rmit.edu.au/students/services
There is so much more to university life than just study

Life at RMIT is filled with social, cultural, sporting, fitness and recreation activities. The RMIT social calendar is aimed at linking students with new experiences and great opportunities.

RMIT knows that transitioning to life in a new country can be an exciting but sometimes daunting experience. To make the move as smooth as possible, RMIT offers a range of support and recreation services to all international students.

Mates at RMIT mentoring program
Mates at RMIT is a peer mentoring program that connects new students with a student mentor. The program aims to provide a friendly support network for students where they can grow as they study and settle in to living in Melbourne.

When you sign up to Mates at RMIT you will be paired with a mentor, who will:

» assist you with your studies and with understanding RMIT’s processes
» involve you in a range of social events and activities before and during your studies
» connect you to useful support services
» support you to develop important life skills.

www.rmit.edu.au/internationalsupport/mates

Sports and recreation
RMIT students can get involved in a broad range of sporting and recreational clubs, compete at regional and national university sporting events, or form a team to participate in local community competitions. You can even participate in trips out of town or stay at the RMIT Mount Buller Ski Lodge.

Arts and culture
RMIT’s free arts program has something for all students across all campuses, no matter their field of study. There are workshops, classes and exhibitions in the areas of fashion and textiles, visual arts, performing arts, dance, interactive media and much more, so make sure you get involved!

RMIT University Student Union—connecting like-minded individuals
Located at the City campus, the RMIT Student Union represents and advocates on behalf of the student body. It supports over 100 student clubs, societies and collectives, as well as student media. Join a club or start your own!

Safety
On-campus security
RMIT has a 24-hour security service with trained officers patrolling the buildings and the University grounds throughout the night. The officers escort students to and from University buildings on request and respond to emergency situations swiftly and efficiently.

www.rmit.edu.au/security

Safety in the city
Melbourne is considered a safe city with a low crime rate. Quality safety measures are in place, including security cameras throughout the city, Safe City taxi ranks and increased police presence after dark. As with every new environment, however, it is important to remain alert and aware of your surroundings.

www.thinkbefore.com.au
Home away from home

RMIT provides support to all new international students seeking accommodation assistance. The ‘Housing for students’ database has been developed exclusively for RMIT students. It enables you to search for different types of accommodation near your campus.

**RMIT Village**
RMIT Village is a five-minute tram ride from the University and offers the ultimate student experience. It includes internet access, fully furnished apartments, outdoor heated pool, on-site gym, and a lounge and courtyard area.

Through weekly movie and trivia nights, barbeques and social events, you will get the chance to make new friends in a safe, clean, supportive and modern environment.


**UniLodge**
UniLodge properties throughout the Melbourne’s central business district are safe, secure and friendly, with each apartment designed for your academic and social needs. Accommodation is in central and convenient locations close to RMIT, with public transport, shops and cafés on your doorstep. UniLodge offers a Community Spirit Program designed to offer students a positive sense of security and belonging while developing social and personal relationships.


**Le Student 8**
Located close to the RMIT Bundoora campus, Le Student 8 is your secure base for success in study and a great lifestyle in Melbourne. All the latest technology and services you need to get a head start in your studies are available at the Student Centre, the perfect place for quiet study.

You can choose from studio, single (single bed) and double (double bed) rooms, which include LCD TV, bar fridge, microwave, air-conditioning/heating, telephone and internet access, bed, writing desk and chair, built-in wardrobe, and en suite with shower and toilet.

Coin-operated laundries are available for students to use. You also have access to five restaurants and bars, a convenience store, resort-style pool, 24-hour gymnasium, barbeque area and a recreation room.

[www.lestudent8.com](http://www.lestudent8.com)

Finding accommodation can be a long process and early planning is essential. Upon your arrival in Melbourne, RMIT Student Wellbeing Advisors are available on every campus to discuss your housing needs.

[www.rmit.edu.au/housing](http://www.rmit.edu.au/housing)
Cost of living

You may be living away from home for the first time and will need to learn how to manage a budget. Living costs can vary according to your circumstances, the type of accommodation you choose, its location, the number of tenants and your lifestyle. RMIT requires students to genuinely commit to maintaining their tuition and living funds for themselves and all dependants staying in Australia.

Establishment costs

Establishment costs are those you will have to pay to set up a house. They include costs for buying furniture, household items, connecting a phone line and other utilities, and paying a rental bond. These costs can be from AU$1700 to AU$3500.

<table>
<thead>
<tr>
<th>Item</th>
<th>Single student living in shared accommodation (AUS)</th>
<th>Hint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Furniture and household items</td>
<td>$400–$1000</td>
<td>This cost range assumes that whitegoods are provided.</td>
</tr>
<tr>
<td>Utilities/phone – connection</td>
<td>$150–$200</td>
<td>This will vary depending on the provider.</td>
</tr>
<tr>
<td>Rental bond (refundable)</td>
<td>City/Brunswick: $600–$1000</td>
<td>Rental bond is usually one calendar month’s rent and is therefore more than four weeks’ calculation.</td>
</tr>
<tr>
<td></td>
<td>Bundoora: $430–$600</td>
<td></td>
</tr>
<tr>
<td>One month’s rent in advance</td>
<td>City/Brunswick: $600–$1000</td>
<td>Advance rent as a lump sum payment is common.</td>
</tr>
<tr>
<td></td>
<td>Bundoora: $430–$600</td>
<td></td>
</tr>
</tbody>
</table>

Living costs

<table>
<thead>
<tr>
<th>Item</th>
<th>Single student living in shared accommodation per week (AUS)</th>
<th>Hint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rent*</td>
<td>City/Brunswick: $150–$250</td>
<td>The campus you attend and the type of accommodation you are living in will affect the price.</td>
</tr>
<tr>
<td></td>
<td>Bundoora: $120–$200</td>
<td></td>
</tr>
<tr>
<td>Electricity, gas and water</td>
<td>$30–$45</td>
<td>Different utility providers charge different rates.</td>
</tr>
<tr>
<td>Phone (fixed line)</td>
<td>$10–$15 (fixed only)</td>
<td>Mobile phone bills will vary depending on the plan you have.</td>
</tr>
<tr>
<td>Internet</td>
<td>$0 if pre-paid arrangement or plan</td>
<td>The internet may be included in your accommodation costs, depending on your accommodation type, or it may be part of your mobile phone plan.</td>
</tr>
<tr>
<td>Food</td>
<td>$80–$100</td>
<td>Discount supermarkets and local markets can reduce your food bill.</td>
</tr>
<tr>
<td>Transport costs</td>
<td>Car: $10</td>
<td>The car costs include registration, insurance, fuel, parking and maintenance.</td>
</tr>
<tr>
<td></td>
<td>Public transport: $33–$56</td>
<td>Based on a full fare weekly ticket.</td>
</tr>
<tr>
<td>Recreation/entertainment</td>
<td>$50–$100</td>
<td>These expenses are highly variable and depend on the choice and frequency of entertainment or hobby.</td>
</tr>
</tbody>
</table>

* Accommodation costs based on advertised share housing available in 2011.

Health insurance

Overseas Student Health Cover (OSHC)

The Australian Government requires all international students on a student visa to be covered for medical health care with an approved OSHC provider for their entire stay in Australia. Families accompanying students must also have OSHC during their stay.

RMIT can organise cover through its preferred provider. Details are available on the web page below. Students with Norwegian National Insurance Scheme cover, Belgian Reciprocal Health Care or Swedish National Board of Student Aid (CSN) are covered for medical expenses in Australia and do not need OSHC.

www.rmit.edu.au/international/health

Tuition fees

RMIT University may adjust program tuition fees at the beginning of each calendar year to take into account increases in University and program delivery costs.

Program tuition fees are invoiced on a semester basis according to the number of courses (subjects) that the student is enrolled in for that semester. Program tuition fees do not include Overseas Student Health Cover (OSHC), Student Services and Amenities Fee (SSAF), administrative service charges, books, equipment and other materials required to undertake the program or compulsory activities where relevant, such as fieldwork, excursions or laboratory practicals. These are additional expenses that you may need to cover.

www.rmit.edu.au/international/fees

Student Services and Amenities Fees

Following changes to Australian Government legislation in 2012, RMIT University has had to introduce a Student Services and Amenities Fee (SSAF). This will enable the University to provide better services, activities and online facilities for you, from careers and employment services to new and improved arts and sports programs.

SSAF rates are determined annually by the Australian Government. Commencing in 2013, all students who are charged a tuition fee by the University will be charged up to a maximum of $273 for SSAF. For full details visit

www.rmit.edu.au/programs/fees/ssaf

Refund policy

Information regarding RMIT University’s refund policy can be found at www.rmit.edu.au/policies/refunds.

Employment

International students studying in Australia on a student visa have part-time work rights. For current information, refer to the Department of Immigration and Citizenship website.

www.immi.gov.au/students

Scholarships

RMIT offers a range of scholarship opportunities to current and commencing international students across all fields of study. Scholarships include financial support to students from diverse backgrounds, rewards for academic excellence and full scholarships for research students. Please visit the website to check your availability.

www.rmit.edu.au/scholarships/international
## ENGLISH LANGUAGE PROGRAMS (ELICOS)

<table>
<thead>
<tr>
<th>PROGRAM CODE</th>
<th>PROGRAM PLAN CODE</th>
<th>PROGRAM PLAN</th>
<th>CRICOS CODE</th>
<th>PROGRAM</th>
<th>CAMPUS</th>
<th>DURATION INTAKE</th>
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## STUDY ABROAD PROGRAM

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## ARCHITECTURE AND BUILDING

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## BACHELOR DEGREE

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## ART AND DESIGN

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### ART AND DESIGN (cont.)

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### BUSINESS

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## COMMUNICATION AND DIGITAL MEDIA

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# COMMUNITY SERVICES AND SOCIAL SCIENCES

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#### DOUBLE DEGREE (TWO BACHELOR DEGREES)

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### EDUCATION AND TRAINING

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NOTES

3 This program is only available for advanced entry.

5 July entry may be available to students who are granted course/subject exemptions or advanced entry based on previous study.

11 This program includes a professional work placement.

12 This program is accelerated. It requires additional hours of study.

20 This program incurs additional costs.

22 A part of this program will be taught at the RMIT Bundoora campus.

25 Please note that the fee advertised is for the actual program duration.

29 Some laboratory sessions may be conducted on the RMIT Bundoora East campus.

36 This is an accelerated program. Students are required to complete one summer semester (comprising 48 credit points) during their degree.

44 A part of this program will be taught at the RMIT City campus.

48 July intake is only available to applicants who can provide evidence of Microbiological studies in their bachelor degree. A syllabus or copies of exam papers must be supplied with their application.

57 The fee advertised applies in 36 or 48 credit points in a semester.

59 This program targets high performing students and selection is based on high academic merit.

61 This program includes a Work-Integrated-Learning (WIL) component in the third year of the program in the form of a work placement (paid employment of at least 34 weeks duration).

66 Students are eligible to apply for early exit with C4251 Certificate IV in Interior Decoration qualification if they have successfully completed the first year of the C5249 Diploma of Interior Design and Decoration program.

67 Applicants must have successfully completed C4222 Certificate IV in International Trade in order to gain entry into this program.

68 July intake is available for international students who are currently enrolled onshore in a secondary school or private RTO, and who wish to transfer to RMIT to study VCE Year 12.

70 This version of Media program is meant for Year One commencement for July entry. The program structure is accelerated. It consists of six semesters over 2.5 calendar years, by undertaking four first year courses in intensive mode over Spring (Nov/Dec) and Summer (Jan/Feb) semesters.

73 A ‘Working With Children Check’ is required prior to commencing this program.

74 English language programs are offered by RMIT English Worldwide (REW) (CRICOS Provider Code 01912G). The enrolment fee is $230.

79 This program is a Higher Education Diploma.

83 Entry into this program is subject to successful completion of AD013 Associate Degree in Fashion and Textile Merchandising.

84 Entry into this program is subject to successful completion of AD014 Associate Degree in Fashion Design and Technology.

IMPORTANT FEE INFORMATION

For details on additional costs, please visit www.rmit.edu.au/programs/fees/other.

For full-time students, the Student Services and Amenities Fee (SSAF) for 2013 is $273 and is subject to annual Australian Federal Government indexation. This fee will be applicable to international students from 2013. Please refer to www.rmit.edu.au/programs/fees/ssaf for details.

The program and fees information applies to students commencing programs between 1 January and 31 December of selected academic year.

All fees are quoted in Australian dollars ($AU) and apply to RMIT University’s Australian campuses only.

Fees are held constant for each calendar year and RMIT may increase the fees by an amount that will not exceed 7.5% each year (subject to rounding). For Higher Education fees, tuition fees are rounded up to the nearest $10.00 per credit point increment, and so the actual fee increase may exceed 7.5%. Similarly, for VET/TAFE students the program 2014 Indicative Annual Fees are rounded to the nearest $250, and so the actual fee increase may exceed 7.5%.

Fee increases are applied at the beginning of each calendar year, therefore commencing mid year students will find that the total cost of their program will be slightly higher than if they had commenced in February.

Fees are invoiced on a semester basis based on the enrolled load for that particular semester except for the following two sectors:

- English Language—Fees are charged at a weekly rate
- Foundation Studies and Victorian Certificate of Education are charged a flat semester fee.

For details on additional costs, please visit www.rmit.edu.au/programs/fees/other.

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<thead>
<tr>
<th>Program Number</th>
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<tr>
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<td>56</td>
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<td>Communication and digital media</td>
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<td>Community services and social sciences</td>
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<td>Science</td>
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<td>177</td>
<td>English at RMIT</td>
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DESIGN
THE FUTURE

'I was encouraged to study at RMIT University in Melbourne by someone who went through the same degree and is now a successful construction project manager.

'I especially enjoy how the courses are taught in a very practical way, and having other international students as classmates makes me feel at ease.

'Studying at RMIT and in Australia is a milestone for a female candidate in the construction industry and in my culture. I am very optimistic about the future and I look forward to taking back my knowledge and skills to the Solomon Islands.'

Flori Gatu
Bachelor of Applied Science (Construction Management)
VIDEO LINK

RMIT University’s Office of Urban Transformations Research (OUTR) organised ‘Urban Realities’, a Landscape Urbanism Three Day Design Challenge. The challenge brought together creative minds, both nationally and internationally, to compete in an action-packed, hands-on game plan competition that responded to the theme ‘design that moves’. In just three days, 10 teams had to design and construct a public space in Melbourne to transform the urban environment.
PROFESSIONAL RECOGNITION

Graduates will be eligible to apply to the Building Commission for an interview to qualify as a Registered Building Practitioner (domestic builder and/or commercial builder).

The Diploma of Building and Construction (Building) has been developed in response to industry needs and is recognised by organisations within the building and construction industry. These include the Master Builders Association of Victoria, the Housing Industry Association of Victoria, and the Australian Institute of Building—which recognises completion of the program as fulfilling the requirement for associate membership of the Institute.

PATHWAYS

Graduates of the Diploma of Building and Construction (Building) who are successful in gaining a place are eligible to apply for exemptions from the following program/s:

» Bachelor of Applied Science (Construction Management)
» Bachelor of Applied Science (Project Management)

BUILDING DESIGN

Advanced Diploma of Building Design (Architectural)

www.rmit.edu.au/programs/c6097

The Building Design program focuses on the design, presentation and documentation processes for building projects that engage with the site, user needs and the environment. This hands-on program develops your skill sets through a variety of learning experiences directly relevant to the practices of building design professionals.

You will learn to communicate and work effectively with regulators, authorities and the wide range of consultants associated with the design, construction and servicing of buildings. You will contribute to the improvement and future purposes of registration to practise as a building designer in the state of Victoria.

WHAT YOU WILL STUDY

You will learn about all aspects of the building industry, including project planning and management, project estimating, materials use, structural properties, occupational health and safety requirements, cost control and office management/administration. Sustainable construction methods are also covered.

You will participate in a variety of site excursions including visits to residential projects, commercial construction projects and industrial complexes. You will be taught via blended delivery incorporating work skills such as AUTOCAD, Microsoft Project and a variety of data and spreadsheet applications.

CAREER OUTLOOK

Graduates can expect employment at middle management level in the building industry in areas such as building construction supervision and management, estimating, purchasing, contracts administration or other related fields, either on a building site or in a head office environment. In time, graduates may start their own business. Students completing the Diploma of Building and Construction (Building) have a strong chance of employment in the building industry.
Great interior designers and decorators understand what makes a space work for a particular purpose, whether a home, office, hotel or nightclub.

This dynamic, practical, industry-relevant program qualifies you to plan, design and decorate a building’s interior bearing in mind the project’s aesthetic, environmental, spatial, safety and business aspects.

You will begin by focusing on 2D and 3D design and the decorative aspect of design. You will also develop technical skills to present your ideas in a client brief. Projects are themed around research into colour, drawing, communication skills, and historical and contemporary style.

You will go on to develop a deeper understanding of commercial and residential buildings, spatial layout, furnishings and decorative treatments, and documentation. You will develop the knowledge and skills to create and communicate your design concepts, evaluate design briefs, and apply basic business skills to domestic and commercial projects.

**INDUSTRY CONNECTIONS**

In competency-based training, the focus is on learning by doing. Through a process of learning that combines theory and applied practice, you will gain essential skills through simulated and real-life projects delivered onsite and in a studio environment. You will acquire a broad range of hands-on skills (drawing, CAD, model making, Photoshop, colour solutions, and client presentation boards), alongside the history and theory of colour and design.

Design studio brings these skills together and encourages and supports the development of conceptual ideas that are applied to a client brief. Site visits and specialist speakers enhance the program.

**WHAT YOU WILL STUDY**

You will build a range of skills and experiences through each stage of this program, which culminates in design studio practice that focuses on varied client briefs.

**Year one—Certificate IV in Interior Decoration**

You will study residential briefs to develop your understanding of architectural views, space planning, colour, materials, furnishings and the decorative arts. You will also focus on historic and contemporary interiors with research into selected periods of style. Visual and verbal technology and communication skills underpin the presentation aspects of working as a designer/decorator. You will work with CAD, Photoshop and other industry software.

**Year two—Diploma of Interior Design**

You will deepen your knowledge and skills of residential and commercial briefs. Sustainability underpins the approach to all projects, including lighting, furnishings, interior building materials and techniques. 3D visualisation skills using 3D modelling software provide detailed spatial documentation of accurate proposals. Presentation skills in design practice studios for both concept and finished presentations provide valuable feedback and learning experiences.

Second year engages you in an industry mentoring program, with practising professionals with.

**CAREER OUTLOOK**

As a designer and decorator you will work in a wide range of design environments. Current graduates are employed as assistants to designers in large architectural firms, and can move to management roles within interior design departments. Some graduates work mainly with computer-aided design in commercial areas. Others work as decoration and design consultants in small boutique companies specialising in complete furnishing and fit out. Some graduates start their own business.

Graduates also work in interior textile wholesale areas, as well as retail consultancies in furnishings, lighting or furniture. Graduates may also progress to colour consultants, either employed by large paint companies or self-employed.

**PROFESSIONAL RECOGNITION**

Current students can join the Design Institute of Australia (DIA) as student members while studying. Graduates can apply for associate membership and full membership once they have obtained their professional experience. (Please note: eligibility for full membership is based on a points system.)

**PATHWAYS**

Graduates with a minimum GPA of 3.5 will be guaranteed entry into the Bachelor of Design (Interior Design) with 96 credit points of advanced standing.

Students are encouraged to consider this option towards the end of their diploma studies.

**YOU MAY ALSO BE INTERESTED IN...**

- Architectural design (this page)
- Communication design (page 47)
- Furniture design (page 51)
- Product design (page 44)
- Landscape architecture (design) (page 37)
CONSTRUCTION MANAGEMENT

This program offers you a solid foundation for construction management, project management and quantity surveying. You will learn how to organise and manage vast numbers of people and resources across the building process to ensure safe delivery of quality buildings to clients. You may be involved in constructing high-rise office buildings and apartments, factories, hotels, houses, complex hospitals or tourist facilities. You may also refurbish and renovate buildings.

**WHAT YOU WILL STUDY**

**Year one**
Introduces you to the construction and property industries, forming the framework for the following three years. You will understand how buildings and assets are created, appreciating each different type and how they are acquired. You will also be taught basic construction management skills.

**Year two**
You will study the construction process and technology in greater detail. You will learn how to plan, cost and schedule construction. Studies include how buildings work and what is required to create sustainable structures. You are also given broader skills in areas such as law, economics and leadership to help you become an industry leader.

**Year three**
Builds on the material of second year and looks at commercial construction in greater detail. You will gain deeper knowledge and the skills to manage complex construction projects.

**Year four**
Your final year prepares you for industry. You are given an insight into the industry environment and the latest trends. The year finishes with an exciting capstone project that allows you to apply your skills and knowledge to a realistic simulated construction project.

**YOU MAY ALSO BE INTERESTED IN...**
- Building and construction (page 34)
- Building design (architectural) (page 34)
- Industrial design (page 52)
- Interior design (page 37)
- Interior design and decoration (page 35)
- Landscape architecture (design) (page 37)

**PROFESSIONAL RECOGNITION**

The Bachelor of Applied Science (Construction Management) is recognised by the Australian Institute of Building (AIB), the Australian Institute of Quantity Surveyors (AICS) and the Royal Institution of Chartered Surveyors (RICS). The degree is also recognised by the Malaysian Board of Quantity Surveyors.

**GLOBAL OPPORTUNITIES**

There are options open to students to study overseas for a semester as an exchange or Study Abroad student—America and Europe are destinations that past students have favoured. There are also opportunities to participate in a Study Tour to Dubai, Hong Kong and Singapore for two weeks as part of the program. Some students end up working overseas as a result of undertaking such opportunities.

**PATHWAYS**

Graduates of the following programs may be eligible to apply for exemptions:
- Diploma of Building and Construction (Building)
- Advanced Diploma of Building Design (Architectural)

**YOU MAY ALSO BE INTERESTED IN...**
- Building and construction (page 34)
- Project management (page 38)
- Property and valuation (page 39)
- Surveying (page 159)
INTERIOR DESIGN

Bachelor of Design (Interior Design)

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www.rmit.edu.au/programs/bp196

Interior design is an ideas-led profession, concerned with the relationships between people and the surrounding environment. You will learn that the design of interiors is not confined to just the inside of buildings. You will use a range of skills to push current boundaries including high-level visual and verbal communication and presentation techniques, model making, technical design documentation, and the ability to work with light, sound, video and computer-based programs.

INDUSTRY CONNECTIONS

Each semester, practising professional designers present studios or specialisations which engage directly with contemporary design projects and/or issues. These projects may involve clients and actual projects where you will develop your design proposals within a scenario-based simulated design practice environment.

The strong community and industry relationship within the program will expose you to ‘real-life’ projects. Examples include projects with the Hassell design practice, Billabong, Euroluce, Melbourne Central and the State of Design Festival.

WHAT YOU WILL STUDY

Year one
During the first year, you will undertake courses in design and communications, history, theory and technical studies that introduce you to concepts of interior design.

Years two and three
During second and third years, studies are integrated in design studios and electives in the areas of technology, communications, specialisations and history/theory.

Each semester, practising professionals and academics offer a selection of studios and specialisations investigating timely and relevant topics.

In second and third year, you have the opportunity to develop your design skills and awareness through overseas travel studios. In third year, you may also choose to study for a semester at a design institution overseas.

Year four
In fourth year, you will pursue an individual thesis design project based on your accumulated skills and interests in design, theory, technology and communications. Final year work is celebrated through a public exhibition, INDEX.

Specialisations include furniture design, retail design, design for film and TV, design for theatre, exhibition and event design, model making, design publishing, lighting, materials, computer-aided design, projection, digital video and website design.

TEACHING METHODS

Classes are taught in a combination of studio, lecture, seminar, tutorial and workshop sessions. You will learn core information in a studio-based environment through design-based projects—learning through the actual design process. This process is supported by tutorials, lectures, seminars and site visits.

ASSESSMENT

Assessment varies with each course in terms of timing and type of assessment. In general, most assessment is based on visual and verbal presentations of design projects, essays, technical reports and assignments, installation of projects, and exhibitions.

CAREER OUTLOOK

Graduates will be employed in interior design and architectural practices where commissions may range from domestic interior, retail and entertainment to hospitality, corporate office and public building design. These practices range in scale from large corporate offices to a team of two to three. Design practices are increasingly becoming multidisciplinary, with interior designers, landscape architects, architects, industrial designers and graphic designers collaborating on large-scale projects. Many graduates establish their own design practices.

Interior designers also work in film and television design, set design for theatre, furniture design, exhibition design and curating, event planning and design journalism.

PROFESSIONAL RECOGNITION

Graduates are eligible for membership of the Design Institute of Australia. This RMIT degree participates in local and global conversations and networks through membership of Interior Design/Interior Architecture Educators Association (IDEA), Design Institute of Australia (DIA) and International Federation of Interior Architects and Interior Designers (IFI).

GLOBAL OPPORTUNITIES

The program engages in an ongoing global dialogue through conferences, student and staff exchange, travel studios and regular participation in/contribution to an international network of practitioners and academics.

Examples of recent connections include a student field trip to Hanoi, Vietnam to redesign a café that offers training and support to an orphanage with over 400 children with disabilities. In 2012, a travel studio to Bali connected with graduates working across the region.

PATHWAYS

Graduates of the following programs may be eligible to apply for exemptions:

» Advanced Diploma of Building Design (Architectural) (up to 144 credit points)
» Diploma of Interior Design and Decoration (up to 96 credit points)

YOU MAY ALSO BE INTERESTED IN...

» Architectural design (page 35)
» Communication design (page 47)
» Industrial design (page 52)
» Interior design and decoration (TAFE) (page 35)
» Landscape architecture (design) (this page)

LANDSCAPE ARCHITECTURE

Bachelor of Design

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www.rmit.edu.au/programs/bp256

More than just plants and gardens, landscape architecture is about spaces - natural, urban, private and public. It’s about investigating and proposing better ways of living in a rapidly changing, complex world.

This multifaceted discipline blends art, science, nature and culture with practical knowledge and attracts people who care about the environment.

Studio themes and content vary each semester, ranging from projects focusing on the sustainability debate to the influence of popular culture and pop art on landscape and design. RMIT’s city location also offers an endless source of stimulation and research opportunities. This program is a leader in its integration of advanced computer and design modelling technologies.

INDUSTRY CONNECTIONS

Industry-based projects occur throughout the design studios, and occasionally the best designs are adopted by industry in real-life settings.

RMIT University is committed to providing you with an education that strongly links formal learning with professional or vocational practice.

WHAT YOU WILL STUDY

The RMIT model distinguishes itself nationally as a five year specialist degree, made up of the three year Bachelor of Design plus two year Master of Landscape Architecture (by coursework).

In this degree you will study:

» the foundations for graduate specialisation in landscape architecture
» the practical and intellectual skills necessary for work in landscape design, or design more generally, in roles that do not require professional registration
» how to lead and innovate landscape architecture design practice.

You will also have opportunities to demonstrate your commitment to learning, research and the profession through design projects in landscape architecture that have a local, national or international impact.

ASSESSMENT

Assessment is ongoing throughout the semester and involves oral presentations and critiques, group projects and research projects. You will have the opportunity to present your work and receive valuable feedback from your peers, teaching staff and industry practitioners.
ADDITIONAL COSTS
Material fees AU$100—500.

CAREER OUTLOOK
Providing a foundation for the Master of Landscape Architecture (by coursework), the Bachelor of Design gives graduates the practical and intellectual skills necessary for work in landscape design, or design more generally, in roles that do not require professional registration. These may include garden design, landscape management, and landscape construction. Master of Landscape Architecture (by coursework) graduates will be prepared and accredited for the professional practice of landscape architecture.

PROFESSIONAL RECOGNITION
Australian Institute of Landscape Architects (AILA) is landscape architecture’s accrediting body. Please note: To be accredited as a professional landscape architect you must complete the Master of Landscape Architecture (by coursework).

GLOBAL OPPORTUNITIES
- In 2012, students travelled to Japan to work in Shibitachi, a 450-year-old fishing village devastated by a tsunami more than 18 months previously. Another group travelled to France to undertake an international design studio and assist with the redesign and construction of a historic Normandy chateau’s garden.
- Student work completed in design studios was exhibited at the 2012 European Biennial of Landscape Architecture held in Barcelona, where RMIT won the International Schools Award ahead of more than 90 universities worldwide.

PATHWAYS
RMIT Bachelor of Design graduates can apply for entry to the Master of Landscape Architecture (by coursework).
A grade point average (GPA) of 2.5 or greater will guarantee a place in the Master of Landscape Architecture, while those students with a GPA of less than 2.5 may apply for a place in the Master of Landscape Architecture and undertake additional selection requirements (such as a portfolio or interview). Selection via this route is competitive and not guaranteed.

YOU MAY ALSO BE INTERESTED IN...
- Architectural design (page 35)
- Building and construction (page 34)
- Building design (architectural) (page 34)
- Communication design (page 47)
- Environment (page 132)
- Interior design (page 37)
- Surveying (page 159)
- Urban and regional planning (page 136)

PROJECT MANAGEMENT
Bachelor of Applied Science (Project Management)

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUD)</th>
<th>2014* ANNUAL FEE (AUD)</th>
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<tr>
<td>BP208</td>
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RMIT’s Bachelor of Applied Science (Project Management) is the only project management bachelor degree in Victoria. The high profile, high-risk aspect of project management demands multi-tasking, analytical thinking, excellent communication skills and superior organisational abilities. A project manager needs to excel at scheduling and is usually proficient in at least one scheduling software package. Although challenging, project management is also extremely rewarding, especially when your project is completed on time and under budget.

Project management is primarily concerned with the coordination and management of projects or events from inception to completion. Project managers must have good administrative, time management and teamwork skills, as well as excellent people management skills.
Growing demand for project management skills led to the development of this degree. It is grounded in residential, commercial and industrial construction for civil, environmental and government projects. This focus on the construction industry is enhanced by the study of project management principles and how these can be applied to domains such as events management, design and IT projects. This degree is complemented by study at Master and Doctoral levels.

INDUSTRY CONNECTIONS
There is a strong focus on industry and industry connections. Industry professionals and experts regularly teach in the program and provide feedback on students’ work in line with the University’s Work-Integrated Learning policy.

WHAT YOU WILL STUDY
Year one
Introduces you to project management in the construction and property industries, providing the context for the following three years. You will learn basic project management skills and gain an understanding of how buildings and assets are created, their different types and how they are acquired.

Year two
You will study project management processes and techniques in greater depth, learning how to plan, cost and schedule projects. Building broader skills in areas such as law, economics and leadership equips you to become an industry leader.

Year three
Broadens your focus beyond construction and looks at project management in other domains, building core project management knowledge and skills. You will gain a deeper understanding of how to manage complex projects.

Year four
The theme of your final year is ‘moving to practise’, preparing you to be industry ready. You will gain advanced skills and insights into the latest trends in industry. A feature is a practical project where skills and knowledge developed in the degree are applied to a realistic simulated project.

TEACHING METHODS
You will attend lectures, tutorials, workshops and site visits.
Classes are taught in a combination of lecture, seminar, tutorial, workshop, studio, practical and laboratory sessions. You will learn core information in lectures, followed by small group discussions in seminars and tutorials.

CAREER OUTLOOK
Graduates can undertake various roles such as:
- overall responsibility for a project managing a major event
- costing and managing projects in industries such as engineering, architecture, manufacturing, education, real estate, finance, government and the IT industry
- developing and releasing a new product; implementing new standards or practices into organisations; developing new technologies
- managing alliance programs with strategic partners.

PROFESSIONAL RECOGNITION
This program is accredited by the Royal Institution of Chartered Surveyors (RICS), which is recognised worldwide.

GLOBAL OPPORTUNITIES
Students are encouraged to undertake Study Abroad programs. Many students in the past have benefited from studying exchange programs in the US and Europe.

PATHWAYS
Graduates of the following programs may be eligible to apply for advanced standing of up to 96 credit points:
- Diploma of Building and Construction (Building)
- Advanced Diploma of Building Design (Architectural)

YOU MAY ALSO BE INTERESTED IN...
- Building and construction (page 34)
- Construction management (page 36)
- Property and valuation (page 39)

*2014 fees are indicative only
Property and Valuation
Bachelor of Applied Science
(Property and Valuation)

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www.rmit.edu.au/programs/bp209

Property is about more than just houses. Property decisions can lead to major allocations of resources (land, labour and capital). It is essential to have a good understanding of different aspects of the property industry, including development, valuation, investment and management.

You will undertake 18 property-related courses within a broad business and management context that offers you a breadth of variety and specialisation of knowledge. You will develop the ability to identify, analyse and resolve problems relating to all aspects of the property profession.

As a property professional, you will understand the features and characteristics of the diverse range of property types and property investment instruments.

As a valuer, you will deal with all aspects of property valuation, including land and all improvements—like buildings, fences, landscaping—all asset classes including residential, commercial, retail, industrial, special purpose and rural.

WHAT YOU WILL STUDY

Year one
Introduces you to the property industry, forming the framework for the following three years. You will be provided with an overview of property principles, valuation techniques and property investment strategies. You will also be taught basic construction and project management skills that will aid you in your work and studies.

Year two
You will study the property industry in greater detail, with the introduction of property development and management and principles of valuation. You will also gain broader skills in areas of applied law, property economics and leadership to help you become an industry leader.

Year three
Builds on the material of second year and looks in depth at property development, valuation procedures, asset management and the property investment markets. You will gain deeper knowledge and skills relating to analysing the features and performance of the individual property and the associated marketplace.

Year four
The final year prepares you to be industry ready. You will gain an insight into the industry environment and the latest trends. The year finishes with an exciting capstone project where you can apply all your skills and knowledge in an industry-focused property research project.

CAREER OUTLOOK
Graduates may undertake various roles such as:

» Property fund managers/asset managers—responsible for the strategy of a large portfolio of investment properties, such as shopping centres, office buildings or industrial complexes. Property fund managers can make decisions and recommendations to their employer or clients on property portfolio management and property investment/finance matters.

» Property developers—can be involved in the various property development stages, from the initial proposal to the disposal of the developed property. The process and activities involve entrepreneurial flair, risk, patience and if successful, a great sense of satisfaction. There is the option for both self employment and working for small to large organisations to maximise their land holdings.

» Property researchers—employed by private organisations such as real estate companies, insurance companies, property developers, banks and other financial institutions. Graduates may also be self-employed as private consultants, and there are opportunities with government departments.

PATHWAYS
Graduates of the following programs may be eligible to apply for advanced standing of up to 96 credit points:

» Diploma of Building and Construction (Building)
» Advanced Diploma of Building Design (Architectural)

YOU MAY ALSO BE INTERESTED IN...

» Building and construction (page 34)
» Building design (architectural) (page 34)
» Project management (page 38)
» Surveying (page 159)
RMIT Bachelor of Design (Industrial Design) graduate Dean Benstead was named the overall graduate of the year and was also awarded the industrial design prize. His major final-year project—a working air-powered motorcycle prototype—was unveiled to great acclaim at the 2011 Sydney Motorcycle and Scooter Show.

Dean Benstead
Bachelor of Design (Industrial Design)
Art and design

RMIT’s graduates have worked with Armani, Gucci and Karen Millen. They have won prestigious awards such as the Archibald Prize, the Wynne Landscape Painting Prize and the Cicely and Colin Rigg Contemporary Design Award.

The opportunities at RMIT are endless.

Graduates have pitched designs to employers in New York and have exhibited internationally at the Venice and Shanghai Biennales.

Choose from programs in:
- animation, game design and interactive media
- fashion design
- fashion and textile merchandising
- fine art
- furniture
- industrial and product design
- photography
- textile design
- textile manufacturing
- textile technology
- visual art
- visual merchandising

How will you stand out from the crowd?

In 2011 the Queen Victoria Market partnered with RMIT’s Diploma of Visual Art program to launch a competition for its students to design chandeliers. These three winning designs will hang in the market’s F-Shed for the next five years. The winning work from top to bottom: Milk by Stacey Raymond, Origins by Ellen Fairbairn and Spoon by Ellah Blake.

Video Link

Some of the finest emerging artists and designers in Australia are unveiled during the annual RMIT University Art and Design Exhibitions, one of the largest celebrations of artistic talent in the southern hemisphere. Get a taste of what was on show in past years.
This program is your entry point to developing your knowledge and skills in:
» visual communication
» creative thinking
» 2D and 3D design.
You will focus on investigating and developing design projects in a studio environment. You will also develop an individual folio of creative work you can use when applying for further study or for getting a job.
During the year you will study:
» media and drawing techniques
» exploration of typography
» 2D design and 3D techniques
» experimental exploration with digital cameras, moving image and other technologies
» contemporary design practice and industry awareness.
This program can take you to further study in graphic art and design, multimedia, product design and visual merchandising, interior design and decoration, or advertising.

INDUSTRY CONNECTIONS
You will work in studio environments on industry standard briefs and projects, developing skills and knowledge in design principles that are valued by industry employers.
You will participate in external design competitions that are set and reviewed by the design industry.

WHAT YOU WILL STUDY
You will study design fundamentals that include drawing, 2D and 3D design, colour studies, and history and theory of design. You will also gain design industry health and safety knowledge. Electives you can choose to study will explore video art and multimedia production, as well as graphic design and typography.
Diploma of Graphic Design

This program will develop your design skills and knowledge, and prepare you for a creative career. You will graduate as a highly trained graphic designer, ready to start your own business or work for companies in Australia and overseas. This is an intensive program producing industry-ready graduates in two years. It will benefit you to have basic (Mac) computer, drawing, time management and organisational skills.

INDUSTRY CONNECTIONS

You will undertake three weeks of work placement in the second year of the diploma program. There are a number of industry projects, including the Smiggle illustration brief, Fuji Xerox spot varnish project and Océ paper sampler. The graduate exhibition of portfolios is presented to industry for review and individual student feedback.

WHAT YOU WILL STUDY

Year one
Introduces drawing and illustration and explores typography, finished art, digital design, reprographics and prepress, design concept and theory. You will also study copyright, ethical practice, industry knowledge, and health and safety.

Year two
Consolidates your technical knowledge and skills and develops your design language and graphic abilities. You will study sustainability and business with web design and 3D packaging electives. Most classes are held in computer labs simulating industry processes. You will also undertake a practical industry placement for three weeks. All practical projects are aimed towards the production of a professional graphic portfolio, which you will present to industry at the end of the year.

TEACHING METHODS

Classes are taught in a combination of lecture, seminar, tutorial, workshop, studio, practical and laboratory sessions. In most instances classes are groups of 22 and are practical studio sessions with the opportunity for feedback and discussion.

CAREER OUTLOOK

Graphic artists, Mac operators and finished artists may specialise in a number of fields, including corporate design, book and magazine layout, advertising, packaging, television, film set and exhibition design. They may work as members of a design team in agencies and design studios, or alone, undertaking freelance or consultancy work.

PROFESSIONAL RECOGNITION

This program is accredited by the Victorian Registration and Qualifications Authority (VRQA) and supported by Industry Training Board Verve—knowledge and skills, and the Multimedia, Arts and Design (MAD) Teacher Network.

PATHWAYS

Graduates may be eligible for entry into the Bachelor of Arts (Animation and Interactive Media) with 48 credit points advanced standing. Graduates may be eligible for entry into the Bachelor of Design (Communication Design) with up to 96 credit points of advanced standing subject to the options chosen.

YOU MAY ALSO BE INTERESTED IN...

- Advertising (page 74)
- Communication design (page 47)
- Design (page 42)

INTERIOR DESIGN AND DECORATION

Diploma of Interior Design and Decoration

www.rmit.edu.au/programs/c5249

Please refer to page 35 for program details.

Photography and Photoimaging

Certificate IV in Photoimaging

www.rmit.edu.au/programs/c4224

Diploma of Photoimaging

www.rmit.edu.au/programs/c5228

You will develop core photographic skills and knowledge in the key areas of image capture (in studio and on location), digital manipulation, output and photo theory. The program emphasises industry knowledge, collaboration and professionalism.

You must successfully complete the Certificate IV in Photo Imaging before progressing to the Diploma of Photo Imaging.

INDUSTRY CONNECTIONS

In the diploma year, students are required to obtain first-hand experience in an area of photographic industry relevance.

WHAT YOU WILL STUDY

High school graduates typically apply for the certificate IV and complete the suite of two programs over two years full-time.

Certificate IV

The Certificate IV in Photoimaging is designed to reflect the role of a photographer’s assistant, who applies a broad range of skills including lighting, image capture, enhancements, manipulation and output.

Areas covered:
- colour theory
- design
- digital output and printing
- image capture in response to a brief
- lighting techniques
- OHS
- research practice.
PRODUCT DESIGN

Diploma of Product Design

Assessment is ongoing throughout the semester and may include oral class presentations, group projects, research projects, and practical project assignments.

CAREER OUTLOOK

As a graduate you can specialise in many diverse areas of product development. Areas include computer-aided design, product illustration, CAD drafting, product styling, homewares, model making, furniture and lighting, toy design, eco design, special effects for film and television, or as a liaison between engineering and production.

As a product designer you will work as part of a design or manufacturing team. Many designers also undertake freelance work.

PROFESSIONAL RECOGNITION

This program is recognised by the Design Institute of Australia (DIA).

GLOBAL OPPORTUNITIES

You will work on projects with local and international manufacturers and industry partners on projects, working with local communities in countries in the Asia Pacific region. Solving locally based design problems, you will produce prototypes using modern communication technologies to work across international boundaries.

PATHWAYS

Graduates with a 70% average will be eligible for entry into the Bachelor of Design (Industrial Design) with 96 credit points of advanced standing. Additional requirements apply.

You may also be interested in...

- Design (page 42)
- Furniture design (page 51)
- Industrial design (page 52)

ASSESSMENT

Assessment is ongoing throughout the semester and may include oral class presentations, group projects, research projects, and practical project assignments.

CAREER OUTLOOK

As a graduate you can specialise in many diverse areas of product development. Areas include computer-aided design, product illustration, CAD drafting, product styling, homewares, model making, furniture and lighting, toy design, eco design, special effects for film and television, or as a liaison between engineering and production.

As a product designer you will work as part of a design or manufacturing team. Many designers also undertake freelance work.

PROFESSIONAL RECOGNITION

This program is recognised by the Design Institute of Australia (DIA).

GLOBAL OPPORTUNITIES

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PATHWAYS

Graduates with a 70% average will be eligible for entry into the Bachelor of Design (Industrial Design) with 96 credit points of advanced standing. Additional requirements apply.

YOU MAY ALSO BE INTERESTED IN...

- Design (page 42)
- Furniture design (page 51)
- Industrial design (page 52)
Diploma of Textile Design and Development

This is a practical, hands-on, studio-based program where you will have access to state-of-the-art facilities to complete project briefs. You will develop your colour, drawing, design and computer skills to plan, develop and produce screen-printed, machine-knitted or woven fabrics for a variety of applications. You will create experimental textile samples using a range of materials and processes including dye technologies, digital printing, laser cutting and fabric manipulation. Industry projects will involve you in developing a collection and producing a range of textiles to technical and market specifications.

WHAT YOU WILL STUDY
Year one
Year one is designed to develop your skills in drawing, painting and illustration techniques, design and concept development and textile history and contemporary practice. You will present your concepts using computer-aided design techniques. Practical workshops develop skills and expertise in design and construction techniques for screen-printing, machine knitting and weaving, incorporating an understanding of fibres and dye technology.

Year two
You will undertake a range of industry projects where industry representatives provide direct feedback on the presentation of your design folio. Year two is designed to introduce you to industry practice and market briefs. You will develop your colour, drawing, design and computer skills to plan, develop and produce screen-printed, machine-knitted or woven fabrics for a range of contexts, including fashion, interiors, homewares, craft and other commercial applications. You can also work in graphics, packaging, greetings cards, ceramics, wrapping and wallpaper.

You may work in a design team for small and large companies or start your own business. Graduates are currently employed as:
- textile designers/artists/makers/crafters
- knitters, weavers, screenprinters
- self-employed freelance designers
- fabric wholesalers

Other areas in which you will find work:
- clothing companies and fashion labels
- textile manufacturing companies producing woven and knitted fabrics
- production management
- design consultancies
- automotive colour and trim departments
- fashion sourcing agencies
- screen printing companies.

CAREER OUTLOOK
As a textile designer, you will create designs for knitted, woven and printed fabrics or textile products for a range of contexts, including fashion, interiors, homewares, craft and other commercial applications. You can also work in graphics, packaging, greetings cards, ceramics, wrapping and wallpaper.

You may work in a design team for small and large companies or start your own business. Graduates are currently employed as:
- textile designers/artists/makers/crafters
- knitters, weavers, screenprinters
- self-employed freelance designers
- fabric wholesalers

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- clothing companies and fashion labels
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- design consultancies
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- screen printing companies.

INDUSTRY CONNECTIONS
You will undertake a range of industry projects where industry representatives provide direct feedback on the presentation of your design folio.

WHAT YOU WILL STUDY
Year one
Year one is designed to develop your skills in drawing, painting and illustration techniques, design and concept development and textile history and contemporary practice. You will present your concepts using computer-aided design techniques. Practical workshops develop skills and expertise in design and construction techniques for screen-printing, machine knitting and weaving, incorporating an understanding of fibres and dye technology.

Year two
You will undertake a range of design briefs that introduce you to industry practice and market viability. The application of sustainable practices introduces that include arts business and industry.

PATHWAYS
Graduates may apply for exemptions into the following degree:
- Bachelor of Arts (Textile Design)

YOU MAY ALSO BE INTERESTED IN...
- Fashion (page 48)
- Fashion technology (page 50)
- Fine art (page 51)
- Interior design and decoration (page 35)
- Textile design (page 54)
- Textile technology (page 54)

www.rmit.edu.au/programs/c5213

Diploma of Visual Art

You will prepare for a career as a visual artist or as an artist in another creative field by studying practical and theoretical courses developed in conjunction with the arts industry. Designed for emerging artists, this program builds on your specialised technical, creative and conceptual skills. It will develop your arts practice so you can plan and realise a body of work in one or more art forms.

You will develop a sound grasp of art theory and history, the ability to critically analyse and synthesise information from a range of sources, and a familiarity with ways of communicating complex ideas.

The diploma's structure emphasises multidisciplinary arts practice, spanning art business, art theory, digital imaging, drawing, painting, printmaking, public art and sculpture. Your folio will demonstrate how you have developed the skills to produce your work.

WHAT YOU WILL STUDY
Year one
In year one you will study the following core courses: health and safety procedures, produce drawing, art history and theory, advanced drawing, and elements and principles of design. You will also select three studio specialisations, choosing from digital imaging, painting, sculpture, printmaking and public art.

The program will provide you with the necessary skills to be competent in producing works of art, working to a brief and understanding the arts industry.

Year two
In year two, additional core units will be introduced that include arts business and developing exhibition practices. You will also select two studio specialisations, choosing from digital imaging, painting, sculpture, printmaking or public art.

In year two you will develop a personal philosophy and aesthetic that demonstrates an understanding of visual arts and contemporary art practice.

PATHWAYS
Graduates of the Diploma of Visual Art with an average GPA of 3.0 will be eligible for entry with 96 credit points of advanced standing. Additional requirements apply.

www.rmit.edu.au/programs/c5234
VISUAL MERCHANDISING

Diploma of Visual Merchandising

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<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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www.rmit.edu.au/programs/c5235

This diploma develops the knowledge and skills needed to flourish in the fast-paced world of visual merchandising. The program’s sharp commercial focus nurtures and directs your creativity to meet the evolving expectations of the retail, exhibition and event industries.

Practical workshops and outstanding industry connections help make this program the largest, most exciting and effective visual merchandising program of its type in Australia.

WHAT YOU WILL STUDY

The diploma’s focus is to provide you with strong practical skills in visual merchandising, and develop a sophisticated understanding of the display and design process in retail, exhibition and event environments.

Year one

Year one includes an introduction to visual merchandising practice and all fundamental display and design skills, including studio practice, visual presentation, illustration, photography, 2D digital design, technical drawing, colour and typography.

Year two

Year two includes advanced display and design practice, photo-styling, work-integrated learning and industry projects. You will develop sophisticated display and presentation skills for retail, exhibitions and events. You will also receive advanced digital training in CAD, digital imaging and multimedia.

CAREER OUTLOOK

As a visual merchandiser, you are employed to present and promote an organisation’s image, service and merchandise to its customers. You can work in retail stores, display production companies and promotional support studios. You can also work as a consultant or designer.

With practical experience in display, product presentation and design, you can move into middle management and management positions.

Graduates find employment in visual merchandising, retail design and display, photo-styling, store design, exhibitions and events.

PROFESSIONAL RECOGNITION

A number of professional bodies represent visual merchandising practitioners.

Among the peak bodies are The National Retail Association (NRA), the Australian Retailers Association (ARA), the Exhibition and Event Association of Australasia (EEAA), and the Design Institute of Australia (DIA).

PATHWAYS

Graduates of the following program may be eligible to apply for exemptions:

» Certificate IV in Design

YOU MAY ALSO BE INTERESTED IN...

» Design (page 42)

» Fashion and textile merchandising (degree) (page 49)

» Fashion and textile merchandising (associate degree) (page 48)
WHAT YOU WILL STUDY

You will be trained in combining visual art and design literacy with new media and graphic technologies via software skill sets and creative methodologies.

Year one
Via imaging, design, media culture and design studio, you will receive a comprehensive introduction to the theory and practice of digital media. You will cover areas of narrative development, as well as developing performance, visual and aural literacy.

Year two
In semester one, you will study 2D animation, 3D animation, interactive media and video. In semester two, you can choose from the following electives: 2D animation, 3D animation, sound design, interactive media, video, experimental video, experimental sound, alternative animation.

Year three
In your final year, the emphasis is on collaborative and conceptual development. The final outcome will be an industry-ready folio showcasing your skills and abilities.

CAREER OUTLOOK
RMIT graduates enter the industry as animators, video producers, graphic designers, 3D visualisers and modellers, web designers, interface designers, art directors, sound designers, game designers, teachers, researchers and digital artists. While many are employed within companies, others start their own successful businesses and artistic careers. You will be in high demand, too, as the relevance and importance of media design and creation skills expand.

PATHWAYS
Graduates of the Advanced Diploma of Screen and Media may be eligible for 144 credit points of advanced standing. Additional requirements apply.
Graduates of the Diploma of Graphic Design will be eligible for 48 credit points of advanced standing.

YEY MAY ALSO BE INTERESTED IN...
» Games (page 52)
» Information technology (multimedia design) (page 93)
The Bachelor of Design (Fashion) is globally renowned for nurturing creativity. It focuses on innovative design, advanced creative skills, conceptual thinking, critical analysis and practical expertise to support original ideas. Depth of research for proposed design opportunities is another important focus.

RMIT’s fashion design degree proudly benchmarks against the best degree programs around the world and has a global approach to fashion education.

RMIT fashion students are selected to showcase in national and international awards and events. At the 2012 L’Oreal Melbourne Fashion Festival (LMFF), seven out of the 12 students showcased from across Australia were from RMIT’s fashion design degree.

INDUSTRY CONNECTIONS

There are opportunities to take part in an internship that supports your own design focus during the fourth year of the degree. Internships may be with companies based in Australia or overseas and can vary in duration, depending on your individual needs and circumstances.

In previous years, students have undertaken internships at Marc Jacobs and Anna Sui in New York, Louis Vuitton in Paris and Vivienne Westwood and Paul Smith in the UK, to name a few. In Australia, students have interned with a broad range of companies and labels including Country Road, Romance Was Born, Akira, Toni Maticevski, Collette Dinninig and Nobody Jeans.

WHAT YOU WILL STUDY

In year one you will develop a set of fundamental skills and knowledge related to design, pattern making, garment construction, presentation, communication, CAD, textiles and fashion theory. Over the following three years you will further develop and refine your practice of fashion design through a series of project-based design studios and other theoretical and practical courses. A diverse range of projects and electives is offered in each semester, giving you the freedom to determine the focus of your own degree.

Throughout the four years you will have opportunities to engage with the fashion design profession through lectures, design projects and industry work placements.

TEACHING METHODS

Classes are taught in a combination of lecture, seminar, tutorial, workshop, studio, practical and laboratory sessions. Students learn core information in face-to-face studio formats, as well as small group discussions in seminars and tutorials.

CAREER OUTLOOK

RMIT fashion graduates now span the globe and work in all aspects of the fashion industry. Recent graduates have worked with international fashion houses including Dior, Louis Vuitton, Viktor and Rolf, Christopher Kane and Vivienne Westwood. Graduates are employed as designers, pattern designers, illustrators, trend forecasters, stylists, costume designers, fashion bloggers and fashion journalists.

PROFESSIONAL RECOGNITION

Graduates are eligible to become members of the Textile and Fashion Industries Association of Australia (TFIJA) and the Design Institute of Australia (DIA).

GLOBAL OPPORTUNITIES

You can apply to do an exchange at a university overseas. Students are currently on exchange in London, New York, Toronto, Hong Kong and Amsterdam.

Since the degree’s inception, RMIT fashion design graduates have been recipients of the major prize awarded by the Australians in New York Fashion Foundation, which provides the winner with a funded 12-month internship in New York with high-profile fashion labels including Calvin Klein and Narciso Rodriguez.

YOU MAY ALSO BE INTERESTED IN...

» Fashion technology (page 50)
» Fashion and textile merchandising (degree) (page 49)
» Fashion and textile merchandising (associate degree) (page 48)
» Textile design (page 54)
» Textile design and development (page 45)
» Textile technology (page 54)
ASSESSMENT
Assessment is in the form of examinations, reports, verbal presentations, group projects, research projects, and practical assignments.

CAREER OUTLOOK
Graduates work in local and international fashion, textile, and clothing industries. Employment prospects include product developers, assistant buyers, sales representatives, range coordinators, store managers, service assistants, visual merchandisers, marketing, design assistants, quality assurance officers, and production assistants.

Graduates are currently employed by major companies such as Hugo Boss, French Connection, Calvin Klein, David Jones, Myer, Country Road, Sussan, Jockey Australia, Mitch Dowd, Kmart, Sportsgirl, Diana Ferrari, Target, Just Jeans, Jag, and Spotlight. Many graduates have started their own fashion labels and boutique businesses.

PROFESSIONAL RECOGNITION
This program is recognised and supported by Australian Light Manufacturing and Training Advisory Board (ALMATAB).

GLOBAL OPPORTUNITIES
With student exchange agreements at a number of overseas universities such as Fashion Institute of Technology (New York), LIM (New York), London College of Fashion (London), and Buffalo State University (New York), you can see the world and broaden your horizon.

Study tours are another opportunity to learn in a different environment. Past study tours have included visits to countries such as USA and China, and cities like London, Paris, Rome and Barcelona. You can visit universities offering fashion merchandising programs, as well as fashion retail and merchandising offices and sights of cultural interest.

PATHWAYS
Graduates will be guaranteed entry into the Bachelor of Applied Science (Fashion and Textile Merchandising) with 192 credit points of advanced standing.

YOU MAY ALSO BE INTERESTED IN...
- Fashion and textile merchandising (degree) (page 49)
- Visual merchandising (page 46)

FASHION AND TEXTILE MERCHANDISING
Bachelor of Applied Science (Fashion and Textiles Merchandising)

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<tr>
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<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUD)</th>
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<tr>
<td>BP212</td>
<td>1 year</td>
<td>$23,040</td>
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www.rmit.edu.au/programs/bp212

Fashion and textile merchandising develops the skills to merchandise and market fashion and textile-related products through each stage of the supply chain.

The degree builds on graduates’ skills developed in the Associate Degree in Fashion and Textile Merchandising.

You will study fashion and textile merchandising, marketing, retail, computer-aided design (CAD), research and supply chain, as well as management theory to complement the program’s practical component.

You will also study the local and international application of fashion merchandising to consumer demand for fashion, textiles and related products.

INDUSTRY CONNECTIONS
You will undertake industry research and develop industry briefs as part of your major project studies.

WHAT YOU WILL STUDY
Today’s marketing management is focused on developing consumer-based strategies for an increasingly competitive fashion and textiles business environment.

You will study the strategic context of an organisation including the changing market environment, product and research, as well as the product, price, promotion and distribution decisions at strategic level.

Fashion retail management focuses on the overall financial expectations of a fashion retail enterprise to achieve its ‘bottom line’ predictions.

Fashion and textile merchandising management focuses on the study and application of fashion merchandising theories related to consumer demand for apparel and related products. Analysis of the social context in which these theories occur is studied to gain insight into shifts motivating consumer preference.

Fashion business practices, the role of buying (in various settings) and the evaluation of ‘trade’ are interpreted for merchandise plans for a specific fashion retail enterprise.

Management courses will provide you with an advanced knowledge and understanding of global issues that relate to onshore and offshore supply chain management.

CAREER OUTLOOK
Graduates find employment in:
- advertising and marketing fashion
- brand management in fashion
- international trade
- merchandise analysis
- merchandising
- merchandising planning
- product development
- product management
- range coordination
- retail buying
- retail management
- sales management.

GLOBAL OPPORTUNITIES
With student exchange agreements at a number of overseas universities such as Fashion Institute of Technology (New York), LIM (New York), London College of Fashion (London), and Buffalo State University (New York), you can see the world and broaden your horizon.

Study tours are another opportunity to learn in a different environment. Past study tours have included visits to countries such as USA and China, and cities like London, Paris, Rome and Barcelona. You can visit universities offering fashion merchandising programs, as well as fashion retail and merchandising offices and sights of cultural interest.

PATHWAYS
Successful completion of RMIT’s Associate Degree in Fashion and Textile Merchandising or equivalent.

YOU MAY ALSO BE INTERESTED IN...
- Fashion technology (page 50)
- Textile design (page 54)
- Textile technology (page 54)
FAVORTE DESIGN AND TECHNOLOGY

Associate Degree in Fashion Design and Technology

<table>
<thead>
<tr>
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<tr>
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<td>2 years</td>
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www.rmit.edu.au/programs/ad014

Learn about design, patternmaking, quality and production control, specifications, technical development, computer-aided design (CAD) and logistics — and even how to start your own business.

Design and technology will be the theme of your studies. You will develop your creative and technical skills while working closely with the fashion industry, blending theory with practice through a series of industry-driven projects.

INDUSTRY CONNECTIONS

You will undertake work placements in your second year. This is a valuable experience, with most students gaining full-time employment at graduation. Companies range from small to large fashion design and production-related businesses including: Gwendolyne, Akira Isogawa, Pacific Brands, Scanlon & Theodore, Anna Campbell, Country Road, Forever New, Yakka, Cotton On, Lisa Ho, Nobody Jeans, Holeproof, Stussy, Romance was Born, Lolitta, The Just Group, Adidas, Yeejin Bae, Marianna Hardwick, Obus.

WHAT YOU WILL STUDY

In your first year you will study fashion illustrations and trade sketches, and begin to understand how to design for fashion ranges in both commercial and creative ways. You will work with specialist fashion design CAD programs such as Illustrator and Photoshop.

Your studies will include patternmaking and developing product specifications for fashion garments. There is a focus on fibres and fabrics as well as understanding the use and care of garments and testing fabrics. You can choose electives in printing or knit in the first semester and then choose to specialise in fashion knitwear or fashion design for the remainder of your studies into second year.

Second year will focus on real projects using computer technology, complex patternmaking and block development skills to produce a range of designs and garments.

You will also undertake courses on researching contemporary fashion designs, developing and presenting design concepts, producing fashion illustrations, production planning processes, and development of design prototypes for either the knitwear or fashion design stream.

TEACHING METHODS

Teaching methods are predominantly a blend of face-to-face, studio based practical components and some online activity.

ASSESSMENT

The assessment tasks will be practical and include skills tests. They may also include classroom activities demonstrating your ability to work within a simulated work environment.

Assessment will cover theoretical and practical components of the program and include a range of assessment activities from class work, assignments and presentations of work to peers.

ADDITIONAL COSTS

Equipment costs — approx. AU$350 per year
Materials fees — approx. AU$350 per year

CAREER OUTLOOK

Graduates gain employment with leading fashion organisations in Australia and overseas. Some have successfully established their own fashion enterprises.

Graduates have a range of possible career pathways and may be employed as assistant designers, patternmakers and graders, quality assurance officers, production controllers, illustrators or small business operators.

After several years' experience, you can be working as a designer or product developer or hold other positions in management within international fashion businesses.

GLOBAL OPPORTUNITIES

Study tours are held in Paris with a focus on fashion design. You will tour Parisian fashion houses, galleries and attend lectures with RMIT's French partner fashion institutes. There is also an option of studying your final semester of the program abroad at one of the international fashion institutes that partner with RMIT.

PATHWAYS

Graduates may apply for exemptions from the following degree:

- Bachelor of Applied Science (Fashion Technology)

YOU MAY ALSO BE INTERESTED IN...

- Fashion (page 48)
- Fashion technology (page 50)
- Fashion and textile merchandising (degree) (page 49)
- Fashion and textile merchandising (associate degree) (page 48)
- Textile design (page 54)
- Textile design and development (page 45)
- Textile technology (page 54)

FASHION TECHNOLOGY

Bachelor of Applied Science (Fashion Technology)

<table>
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<tr>
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www.rmit.edu.au/programs/bp211

RMIT's fashion technology program builds on the graduate skills developed in the Associate Degree in Fashion Design and Technology. It furthers your technical skills and knowledge in fashion design and explores advanced creative design concepts for developing fashion products.

You will study advanced design research, product development, block development, pattern design, and garment construction.

You will gain advanced knowledge in computer-aided design (CAD) and pattern technology to enhance your product design and development skills.

You will also develop the skills to be innovative and entrepreneurial in the management of fashion production and supply chains in Australia and overseas.

WHAT YOU WILL STUDY

Today’s marketing management is focused on developing consumer-based strategies for an increasingly competitive global fashion and textiles business environment.

You will study the strategic context of an organisation including the changing market environment, product and research, as well as the product, price, promotion and distribution decisions at strategic level.

Fashion retail management focuses on the overall financial expectations of a fashion retail enterprise to achieve its ‘bottom line’ predictions.

Fashion and textile merchandising management focuses on the study and application of fashion merchandising theories related to consumer demand for apparel and related products. Analysis of the social context in which these theories occur is studied to gain insight into shifts motivating consumer preference.

Fashion business practices, the role of buying (in various settings) and the evaluation of ‘trade’ are interpreted for merchandise plans for a specific fashion retail enterprise.

Management courses will provide you with an advanced knowledge and understanding of global issues that relate to onshore and offshore supply chain management.

CAREER OUTLOOK

Graduates will gain employment in the fashion industry in areas of fashion design, pattern design, grading, production management, quality assurance and control, offshore production management, specification coordinating, and garment technology.
The program is recognised and supported by Manufacturing Skills Australia (MSA).

PATHWAYS
Successful completion of RMIT’s Associate degree of Fashion Design and Technology or equivalent.

YOU MAY ALSO BE INTERESTED IN...
- Fashion and textile merchandising (degree) (page 49)
- Textile design (page 54)
- Textile technology (page 54)

FINE ART

Bachelor of Arts (Fine Art)

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<tr>
<th>RMIT CODE</th>
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www.mit.edu.au/programs/bp201

The Bachelor of Arts (Fine Art) is a practice-based fine art program offering studies in four specialised areas: sculpture, sound and spatial practice; object based practice; print imaging; and expanded studio practice. Studio practice is central to the program. You will develop a range of practical, conceptual and technical skills to equip you with the knowledge to work within the diverse industries and cultures associated with the fine arts.

Studio courses are complemented by studies in the history and theory of art, as well as offering you options for expanding your study across multiple areas of theory and practice.

INDUSTRY CONNECTIONS
All areas of study are integrated into industry experience through assessment, critical feedback and learning activities that reflect industry practice. In addition to this, the program provides an optional internship course through partnerships with a diverse range of institutions and organisations.

WHAT YOU WILL STUDY
The program offers a range of specialised study options, enabling you to explore particular methodologies and principles related to a specific studio focus and complemented by support courses in the development of concepts, ideas and practices.

Specialisations are available in ceramics, drawing, fine art photography, gold and silversmithing, metal arts, painting, printmaking, sculpture and sound. Interdisciplinary practices across multiple technologies and mediums are available and encouraged.

Year one
In year one of the program, you will begin to develop a range of skills to assist you in developing ideas and creative interpretations. While considered a foundation year, you are expected to develop a solid grounding in specific areas of practice, determined by your chosen studio focus.

Year two
You will continue to develop your ideas and begin to work on specific self-directed projects, supported by courses designed to further your skills in theory and practice.

Year three
You will have the opportunity to develop your own projects, in combination with advanced study in studio practice and methodology.

CAREER OUTLOOK
Graduates are multiskilled and can be employed in any number of areas. Recent graduates engage in a wide range of industries including studio-based art practice (including public art, installation art, gallery-based art, online and time-based art), teaching and lecturing, museum and gallery curation, production design, website design, photography, special effects art, video editing, project management, festival curation, cultural diplomacy, sound recording, music arrangement, motion picture directing and commercial creative practices.

GLOBAL OPPORTUNITIES
The program offers a range of options for global opportunities. Study Abroad is offered in year two of the program, as well as a study tour to New York. The program has strong connections with Europe through drawing, and many graduates are now working internationally.

PATHWAYS
Graduates of the Diploma of Visual Art with an average GPA of 3.0 will be eligible for entry with 96 credit points of advanced standing. Additional requirements apply.

YOU MAY ALSO BE INTERESTED IN...
- Animation and interactive media (page 47)
- Communication design (page 47)
- Design (page 42)
- Education (primary and arts expertise) (page 98)
- Furniture design (page 51)
- Graphic design (page 43)
- Visual art (page 45)

FURNITURE DESIGN

Associate Degree in Design (Furniture)

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<tr>
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<tr>
<td>AD007</td>
<td>2 years</td>
<td>$22,080</td>
<td>$23,040</td>
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Furniture design at RMIT offers a blend of topics that enables you to design modern furniture. The Associate Degree in Design (Furniture) delivers design-focused learning with an emphasis on production and craft knowledge.

You will gain the skills to explore design through real-world industry projects. You will also investigate contemporary, cultural and environmental aspects of the professional furniture design practice. This degree combines theory with high-level industry skills to help you explore your professional future in major production companies or as an independent designer in the global furniture industry.

INDUSTRY CONNECTIONS
The design studio course will be your key learning activity in this program.

Your design projects will involve a creative process that combines ideas and concepts with hands-on production.

You will work on simulated projects based on industry scenarios, solving real-world design problems in studio and workshop environments. The design studios involve industry, student and staff interaction through group work and peer-to-peer learning.

WHAT YOU WILL STUDY
The associate degree has four core streams: design studies, technology, design studio, and communication.

Design studies
Looks at design practice and explores the critical role design plays in engaging with objects and systems. A strong focus is placed on furniture forecasting and the enrichment of people’s furniture experiences.

Technology
This is based upon the flexibility of technological solutions to design ideas. The courses encourage you to experiment with ideas and solutions and to explore the range of modern technologies open to designers.

Design studio
This is the hands-on practice of furniture design. The studio context opens up themes of the way people live and work in this world and how they construct their lives. You are encouraged to develop designs that meet real-life problems in practical and economic terms.

Communication
You are encouraged to develop a range of ways to communicate your design concerns and ideas. Emphasis is given to the use of visual and electronic forms of communication.
CAREER OUTLOOK
Manufacturing companies in Australia and overseas employ furniture designers as consultants or employees in their product development teams. Many manufacturers employ furniture technologists and developers to create and improve product ranges within their production departments.

Research institutions such as environmental agencies and universities also employ designers to work on many aspects of products and services.

PROFESSIONAL RECOGNITION
The Associate Degree in Design (Furniture) is recognised by the Design Institute of Australia (DIA). You are able to join as a member while studying, or once you have graduated.

PATHWAYS
Graduates who achieve a high distinction will be guaranteed entry into the Bachelor of Design (Industrial Design) with 192 credit points of advanced standing.

YOU MAY ALSO BE INTERESTED IN...
- Industrial design (page 52)
- Product design (page 44)

GAMES
Bachelor of Design (Games)

WHAT YOU WILL STUDY
Year one
Core courses include critical game studies, media cultures, imaging and 3D modelling, introduction to programming and games design studio.

A key feature of this degree is that you undertake projects and core courses with students from RMIT’s games and graphics programming degree.

Year two
Core courses address narrative theory and games culture, design for interactive media and the design of virtual environments. You may then select specialist electives in concept art and advanced imaging, 3D character design, and sound design for interactive environments, experiencing design or programming electives that support pathways in web3D, Java and C++ programming for games development.

Year three
Core courses address games design and analysis, games industry and professional portfolio skills. You will produce a major project with peers, working in teams with students from Bachelor of Information Technology (Games and Graphics Programming).

CAREER OUTLOOK
You will be in a position to work in the games industry and, more generally, in the creative industries. In addition, you will be well placed to start your own successful company and artistic career. The degree provides regular learning interaction with students from Bachelor of Information Technology (Games and Graphics Programming) in a studio that reflects the practice of the electronic games industry.

Upon completion of the degree, you will have the opportunity to acquire both aesthetic and technical abilities within the disciplines of art and design. Graduates enter the creative industries as animators, 3D visualisers and modellers, interface designers, producers, art directors, game designers, educators, researchers and digital artists.

YOU MAY ALSO BE INTERESTED IN...
- Information technology (multimedia design) (page 93)

INDUSTRY CONNECTIONS
Through assessment and feedback, industry practitioners will be involved in appraising and critiquing your design work.

Student projects recently included partnerships in the following industries:
- automotive—Ford, Toyota and GM Holden
- product and technology—Philips
- research (sustainable and cultural development)—Victorian Eco Innovation Lab, RMIT Centre for Design, SIAL
- government—City of Hume and Melbourne City Council

Design and implementation of products and services have included:
- not-for-profit and community organisations—Diabetes Australia and Social Studio
- cultural institutions—Museum Victoria
- numerous engagements with local industrial design consultancies and product-making firms.

www.rmit.edu.au/programs/bp214

You will develop your digital art and design talent to create rich characters, environments and worlds for a variety of platforms, including computers, consoles and mobile devices.

With your strong conceptual game design skills and specialist art skills, you will be able to make the most of increasing demand in the creative industries for designers and artists expert in producing rich interactive experiences.

The Bachelor of Design (Games) provides specialist training and theory in computer-generated design with particular emphasis upon game theory and practice. You will study design, narrative, imaging, modelling and animation (2D and 3D), time-based and interactive authoring and basic computing and programming.

www.rmit.edu.au/programs/bp195

Industrial designers invent, visualise, prototype and ultimately deliver design solutions to complex problems in the form of new products and services.

From the air-powered ‘O2 Pursuit’ motorcycle to the design of an open-source prosthetic fabrication laboratory, RMIT is at the forefront of contemporary industrial design.

For over 60 years industrial design at RMIT has offered aspiring designers technical, theoretical and applied immersions into the diverse and dynamic fields of industrial design practice.

You will explore:
- producing commercially oriented approaches to product, transportation and furniture design
- design of sustainable product/service/systems
- design of interactions and experiences that are mediated by materials and technology
- design as a mechanism for enabling social reform and cultural enrichment
- the possibilities of form, process and material in response to rapid technological advances
- the increasingly blurred intersections of our digital and material worlds
- design as a way to address the needs of clients, user groups and communities.

www.rmit.edu.au/programs/bp195

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- the increasingly blurred intersections of our digital and material worlds
- design as a way to address the needs of clients, user groups and communities.
WHAT YOU WILL STUDY

Industrial design has four core study streams:

Design studies and professional practice—explores the contemporary industrial design landscape, its histories, theories, methods and issues.

Communications—provides an exposure to methods of design visualisation and communication.

Technology—opens up the material, manufacturing and technological constructs of the practice.

Design studio—the central element of the curriculum, provides a diverse suite of applied, industry-linked and research-integrated design project experiences.

Honours is awarded to graduates of the four-year industrial design degree based on their cumulative grade point average.

CAREER OUTLOOK

Graduates work as designers for product and manufacturing companies; in the consultancy, entertainment, education, cultural and services sectors; and for research institutions. Cross-disciplinary designers work in emerging fields of design practice; others start and run their own design or product-producing businesses.

PROFESSIONAL RECOGNITION

Design Institute of Australia (DIA)—students are eligible for student membership and graduates are eligible for full membership.

International Interaction Designers Association (iXDA)—students/graduates are eligible for membership.

Association of Women Industrial Designers (AWID)—students/graduates are eligible for membership.

GLOBAL OPPORTUNITIES

Industrial design students have the opportunity to do exchanges at partner universities in India, China, South Korea and other centres of manufacturing, or work with industrial design students from other parts of the world.

PATHWAYS

Graduates of the Associate Degree in Design (Furniture) with a GPA of 4.0 in the final year may be eligible for 192 credit points of advanced standing. Additional requirements apply.

Graduates of the Diploma of Product Design with a 70% average will be eligible for 96 credit points of advanced standing. Additional requirements apply.

YOU MAY ALSO BE INTERESTED IN...

- Animation and interactive media (page 47)
- Communication design (page 47)
- Furniture design (page 51)
- Mechanical engineering (pages 123 and 124)
- Product design (page 44)

INTERIOR DESIGN

Bachelor of Design (Interior Design)

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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www.rmit.edu.au/programs/bp196

Please refer to page 37 for program details.

PHOTOGRAPHY (ARTS)

Bachelor of Arts (Photography)

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<th>RMIT CODE</th>
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www.rmit.edu.au/programs/bp117

Established in 1887, the Bachelor of Arts (Photography) is the oldest continuous-running photography program in the world and has an enviable reputation.

RMIT graduates become high-calibre professional image-makers. They understand the importance of creative thinking and the underlying meaning of photographic image making.

You will learn contemporary commercial skills from Australia’s finest commercial photographers and respected academics.

Through practical, theoretical and conceptual investigations you will develop a range of skills relevant to the diversifying creative and commercial photographic industries.

WHAT YOU WILL STUDY

Year one

The first year of study enables you to gain a solid grounding in core photographic techniques, materials, concepts, theories and processes.

Year two

In second year you will choose from a broad range of photographic specialist courses and student electives.

Year three

In your third year you are able to work autonomously, developing your own ideas, and will be required to form industry liaisons.

There is a wide variety of study options and specialisations on offer in the program, and you are encouraged to pursue your interests throughout the degree. The range of options explored includes advertising, architecture, digital imaging, documentary, editorial, fashion, food, science, photogrammetry, portraiture and product photography.

An investigation into the cultures of photography is offered at all year levels, and forms the basis for developing an understanding of where your own practice will be situated within the broadening culture of local, national and international photographic interests.

CAREER OUTLOOK

The photography degree prepares students for a range of career options in photography. Recent graduates are working in a number of photographic industries, including advertising, fashion, editorial photography, libraries, museums, galleries, education units, film and TV, video production, research, medical research, manufacturing industries, secondary school teaching, TAFE teaching and university lecturing.

Opportunities exist as curators, artists, digital production consultants, colour management specialists, workflow consultants, professional photographers and imaging specialists.

The range of options for graduates is so broad that you will be encouraged to consider these during your final year of study to ensure you are well prepared for a career in photography.

PATHWAYS

Graduates of the Diploma of Photoimaging with a GPA of 4.0 will be guaranteed entry with 96 credit points of advanced standing.

YOU MAY ALSO BE INTERESTED IN...

- Advertising (page 74)
- Fine art (page 51)
- Photography and photoimaging (page 43)
TEXTILE DESIGN

Bachelor of Arts (Textile Design)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUS)</th>
<th>2014 ANNUAL FEE (AUS)</th>
</tr>
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<tbody>
<tr>
<td>BP121</td>
<td>3 years</td>
<td>$23,040</td>
<td>$24,000</td>
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</table>

www.rmit.edu.au/programs/bp121

This unique program qualifies you as a professional textile designer in global fashion and homewares, automotive interiors, architectural forms and licensing design industries in Australia and overseas.

Textile designers have the specialist skills to make decisions about colour, structure, surface texture and pattern, weight and yarn, fabric composition and appropriate methods of manufacture. You will explore design and creativity and develop technical and sustainability knowledge and digital media skills for translating textile concepts into marketable products.

You can specialise in surface pattern (print) or constructed textiles (knit and weave) and will complete a range of projects that result in a professional portfolio you can present to industry. You will take part in industry-related projects and develop communication, business and computer-aided textile design (CATD) skills that will meet global industry needs and leads to your future success.

INDUSTRY CONNECTIONS

You will be placed with a supervisor in a textile or fashion organisation in the first half of your final year. Work-integrated learning comprises onsite working experience and insight into the design and business operations of a company. This is an assessable component of the textile business and careers course. You can be placed with a diverse range of organisations, such as Country Road, Dryen, Warwick, Mill&Mila, Akira Isogawa, Linen House, Longina Phillips, Seed, Vixen and Beci Orpin.

WHAT YOU WILL STUDY

Year one

You will learn a range of design processes plus colour, technical and mark-making skills to develop visual concepts through to textile sampling and CATD simulations. Experience is hands-on in printing, weaving and machine knitting. You will learn repeat design; develop croquis, colour, media and illustration techniques; create resource books; and develop folio and presentation skills. You will use Photoshop (and later Illustrator) for repeat design and storyboarding.

Year two

In year two you are able to specialise in surface pattern design (print) or constructed textiles (knit and weave) and will experience designing for a broad range of projects using specialist CATD software. Industry projects are introduced in this year, with the cultural and social aspects of textile design and a University elective to develop research and writing skills.

Competitions, awards and the option for an international fashion and textile exchange are offered in this year.

Year three

In year three of the course you will be introduced to textile businesses and careers, with an emphasis on creating the right folio for industry and small business presentations. You will be given real-time projects and awards in this final year to create a folio of diverse projects that emphasise your skills and capabilities. You will also participate in the end of year degree show by exhibiting project work to our industry and community partners.

You will work on projects with The Johnston Collection, RMIT Architecture and Design, Dryen Australia and the Warwick Dreamweaver Award and gain work-integrated learning experience with Design:Made:Trade, including sustainable enterprise projects.

CAREER OUTLOOK

Textile designers form an integral part of a design and marketing team to create original designs, develop sample fabrics, identify marketing opportunities and advise on product development strategies. They have the specialist skills to make decisions about colour, structure, surface texture and pattern, weight and yarn, fabric composition and appropriate methods of manufacture.

Fabrics designed by textile designers are used in all aspects of fashion, from streetwear to sportswear, from evening wear to intimate apparel. In homewares and soft furnishings, textile designers create bedlinen, table linen, carpets, laminates and decals for ceramics. In the automotive, defence, sportswear and aerospace industries, textile designers are involved in technical textiles, performance testing and smart fabric applications.

PATHWAYS

Graduates of the following program may be eligible to apply for exemptions:

» Diploma of Textile Design and Development

YOU MAY ALSO BE INTERESTED IN...

» Fashion (page 48)
» Fashion technology (page 50)
» Industrial design (page 52)
» Textile design and development (page 45)
» Textile technology (page 54)

TEXTILE TECHNOLOGY

Bachelor of Applied Science (Textile Technology)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUS)</th>
<th>2014 ANNUAL FEE (AUS)</th>
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<tr>
<td>BP123</td>
<td>3 years</td>
<td>$23,040</td>
<td>$24,000</td>
</tr>
</tbody>
</table>

www.rmit.edu.au/programs/bp123

You will gain the skills and knowledge you need for a successful career in the fashion and textile industries, including sportswear, performance apparel, interior textiles, automotive textiles and advanced technical materials.

This program focuses on the theory and practical applications of product development, design and engineering, and global marketing and management across a wide area of textiles practice.

You will build your expertise and knowledge of yarn, knitted, woven and non-woven fabrics and related processes, colour theory and product development, design and evaluation.

WHAT YOU WILL STUDY

The methods of teaching include industry-driven briefs, which give you real experience in working and managing textile product development and production offshore and locally.

Year one

You will study and attain the skills and knowledge related to textiles materials including yarn and fabric technology, textile chemistry, colouration and computer-aided design.

Year two

You will apply your technical skills to the product development of performance textiles including sportswear, environmental, automotive, home furnishings and medical textiles.

You will build your expertise and knowledge of yarn, knitted, woven and non-woven fabrics and related processes in colour theory, dyeing, printing, product development, design and evaluation.

Year three

Courses combine technical knowledge and computer-aided design (CAD) skills with exploration in design and creativity for the production of marketable products in textiles.

CAREER OUTLOOK

Graduates gain employment in the fashion and textile industry, including product developers, textile technologists, technical managers, research and development managers and quality control managers.

Current graduates are employed at Holden, Melbourne Fire Brigade, Rip Curl, Australian Defence, Albany International and many other companies, small and large.
PROFESSIONAL RECOGNITION

The Bachelor of Applied Science (Textile Technology) degree program is professionally accredited by the Textile Institute: [www.texi.org](http://www.texi.org)

The Textile Institute is a worldwide organisation that covers all sectors and all disciplines in the textiles, clothing and footwear (TCF), sector.

Within the global TCF industries, the aim of the Institute is to facilitate learning, to recognise achievement, to reward excellence and to disseminate information.

Graduates are eligible to apply for membership with the Textile Institute.

GLOBAL OPPORTUNITIES

Study Abroad and student exchange opportunities exist. RMIT students are currently on exchange with North Carolina State University in the USA.

YOU MAY ALSO BE INTERESTED IN...

- Textile design (page 54)
- Fashion and textile merchandising (degree) (page 49)
'The Bachelor of Business (Logistics and Supply Chain Management) (Applied) allows me to gain broad business skills along with specialised logistics and supply chain management knowledge. RMIT is one of the few universities that offers a specialised logistics and supply chain management degree. The best things about the program are the site visits and the opportunity to gain one year of work experience within my chosen industry. That really sets me apart from other graduates and enhances my career prospects upon graduation.'

Herman Tang
Bachelor of Business (Logistics and Supply Chain Management) (Applied)
Business

RMIT business programs offer you opportunities to develop your entrepreneurial skills, study overseas and solve real problems for real clients.

RMIT’s Treasury Training Facility, one of the largest tertiary-based facilities of its type in the world. Students trade with live market data, and experience first-hand what professionals at the world’s leading banks and investment firms do with the same tools and information.

RMIT Business Medalist, Rohan Pereira with Professor Ian Palmer, Pro Vice-Chancellor Business and Vice-President at the 2012 Business Prize Giving Ceremony. (Photo: Shoot’em Down Photographic)

Students sharing common study spaces. Lecture theatre in RMIT’s new Swanston Academic Building.

RMIT works in partnership with leading organisations from around the world such as IBM, Deloitte, Pitcher Partners and many more. Students receive exceptional learning opportunities in areas including:

- accounting
- business and administration
- business information systems
- commerce
- economics and finance
- entrepreneurship
- international business
- logistics and supply chain management
- marketing
- statistics.

Aim high and achieve.

UNDERGRADUATE PROGRAMS

Scan this code to watch the Business Info Systems online video

Scan this code to watch the Economics and Finance online video

Scan this code to watch the Entrepreneurship online video

Scan this code to watch the Accounting online video

VIDEO LINK

Did you know that the founder of Deloitte Digital and CEO of Deloitte’s Centre for the Edge is also an adjunct professor at RMIT? Meet Pete Williams.
WHAT YOU WILL STUDY
Certificate IV
You will develop your understanding of core business practices in the financial services industry including:
» financial records
» statements
» budgets and tax requirements
» business skills relating to health and safety practices
» communication
» the use of technology (particularly spreadsheets).

Diploma
You will further develop your knowledge of:
» preparing, implementing and controlling financial budgets
» forecasts
» reports and procedures
» preparing income tax returns
» computerised accounting systems
» providing management accounting information
» adjusting the marketing mix.

Advanced diploma
You will extend your knowledge of complex tax and corporate governance matters, develop financial strategies and plans, and learn about the provision and evaluation of business performance information.

CAREER OUTLOOK
Graduates find work in all fields of industry and commerce like financial institutions, retail stores and other businesses. They are employed in accounting, accounting-support or accounting technician roles and take responsibility for recording and compiling summaries of financial transactions for management.

Advanced diploma graduates can become a qualified Chartered Accountant (CA) or Certified Practising Accountant (CPA) with further study.

PROFESSIONAL RECOGNITION
Certificate IV or diploma graduates can apply for student membership of the Association of Accounting Technicians (AAT).
As an enrolled student of the advanced diploma, you can apply for Student Membership of the Institute of Public Accountants (AIPA).
As an advanced diploma graduate, you can apply for associate membership of the AIPA.

GLOBAL OPPORTUNITIES
You can gain credit towards your program by doing a one semester or one years’ international exchange program at a partner institution.

PATHWAYS
Students wishing to undertake the Advanced Diploma of Accounting must first complete the Certificate IV in Accounting and the Diploma of Accounting. The overall duration of this pathway is 18 months.

The overall duration of this pathway is 18 months.

Industry experts are invited to speak about current issues, and give you an experienced perspective on study topics and work-simulated scenarios.

Guiding the development of the College of Business, both nationally and internationally, is an Industry Advisory Board of high-profile executives chaired by Gerhard Vorster, Chief Strategy Officer, Deloitte. The Board creates a strategic bridge between the latest in technology and design thinking and business.

DATACODE, DIPLOMA AND ADVANCED DIPLOMA
WHAT YOU WILL STUDY

The diploma comprises eight common business core courses, providing a sound basis for further study and specialisation. These courses are:

- Business computing
- Business statistics
- Commercial law
- Introduction to organisational behaviour
- Introductory accounting
- Macroeconomics
- Marketing principles
- Prices and markets.

CAREER OUTLOOK

Career opportunities for graduates exist in all sectors of business, including the private and public sectors, small and large enterprises and across the full range of industries.

PATHWAYS

Graduates of the Diploma of Commerce will be eligible to apply for exemptions into the following programs with 96 credit points advanced standing, subject to meeting each program's entry requirements.

- Associate Degree in Business
- Any three-year Bachelor of Business degree
- Any four-year Bachelor of Business degree

INDEPENDENT BUSINESS

Certificate IV in International Trade

<table>
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<th>RMIT CODE</th>
<th>DURATION</th>
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<tr>
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<td>8 months</td>
<td>$16,000</td>
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www.rmit.edu.au/programs/c4222

Diploma of International Business

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www.rmit.edu.au/programs/c5219

Advanced Diploma of International Business

<table>
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</thead>
<tbody>
<tr>
<td>C6101</td>
<td>8 months</td>
<td>$16,000</td>
<td>$17,000</td>
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</table>

www.rmit.edu.au/programs/c6101

You will gain knowledge, training and vocational skills to effectively compete in all sectors of international business at an operational and middle-management level.

SUITED TO PEOPLE CURRENTLY EMPLOYED IN INTERNATIONAL BUSINESS, THIS PROGRAM DEMANDS A SENSITIVITY TO DIFFERENT CULTURES AND OTHER PERSONAL QUALITIES.

INDUSTRY CONNECTIONS

This program will allow you to work in groups to conduct a research project.

WHAT YOU WILL STUDY

Students will typically apply for the certificate IV and complete the suite of three programs over two years. General areas of study include:

- Marketing and international marketing
- International trade and economics
- Business and computer applications
- Importing and exporting
- Transport and logistics.

CAREER OUTLOOK

Graduates may work as officers or in middle management in the freight forwarding, shipping and transport industry, private and public import and export companies, and in service areas such as international banking and insurance. Other opportunities are in the customs, transport, export and trade sectors of commerce.

PROFESSIONAL RECOGNITION

The RMIT International Business Industry Advisory Committee has been directly involved with the development of the course content and program organisation, and the Australian Institute of Export (Victoria) (AIE) provides support to the programs. The AIE encourages student membership and provides benefits to students undertaking this program.

GLOBAL OPPORTUNITIES

You can gain credit points towards your studies by taking part in an international exchange program for either one semester or one year with an institution that has an exchange agreement with RMIT. A limited number of exchange scholarships are available each year.

An international study tour run in conjunction with Kirkwood Community College, USA is available to international business students. Study tours provide a unique opportunity to introduce multiple perspectives on international marketing and to work in interdisciplinary teams with students abroad.

www.rmit.edu.au/bus/international

YOU MAY ALSO BE INTERESTED IN...

- Entrepreneurship (page 64)
- International business (page 65)
- Logistics and supply chain management (pages 66 and 67)
- Marketing (pages 68 and 69)
WHAT YOU WILL STUDY

Year one
You will study seven of the compulsory common business core courses plus one specialised accounting course.

Year two
You will study the final compulsory common business core course, one flexible course, and focus on your major by completing six specialised accounting and law courses covering topics such as management accounting, corporate accounting, cost management, auditing, taxation and company law.

Year three
The third year involves a compulsory work-integrated learning (WIL) component in the form of a cooperative education placement.

Year four
In the final year, you will complete courses in your major area of study, flexible courses and capstone courses that consolidate your theoretical learning from the first two years and your discipline-related supervised work placement in the Business Design Project. The Business Design Project courses are your chance to bring together what you have learned during your studies. You will need to produce a brief that outlines a specific business issue (current or potential), and then reflect on theory, test creative solutions and finally communicate the issue you have addressed, and demonstrate your ability to analyse and problem-solve skills in a coherent manner.

Flexible courses may be chosen from a business or other discipline minor, or from general student electives. Business minors include: business information systems, economics, economics and finance, entrepreneurship, finance, human resource management, international business, logistics and supply chain management, management and marketing.

Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure and minors, please visit www.rmit.edu.au/bus/academicprograms

CAREER OUTLOOK

There are good job prospects post-graduation. About one-third of graduates gain employment in public accounting practices, supporting staff teams in areas such as auditing, taxation, management consulting, business services and receivership. Others are recruited into commercial and government organisations in treasury, internal audit, strategic business planning, financial reporting and management accounting roles.

PROFESSIONAL RECOGNITION

The Bachelor of Business (Professional Accountancy) is accredited by CPA Australia and the Institute of Chartered Accountants in Australia.

Graduates are entitled to associate membership of all the professional accounting bodies—CPA Australia, the Institute of Chartered Accountants in Australia and the Institute of Public Accountants—provided auditing and taxation subjects are passed. You must then undertake the chosen professional body’s qualification program and gain three years relevant practical experience to gain full membership.

www.cpaaustralia.com.au
www.icaa.com.au
www.publicaccountants.org.au

In addition, living and working in countries such as China, Hong Kong, Singapore or Malaysia gives graduates the option of applying for entry into the final stages of the Association of Chartered Certified Accountants (ACCA) qualification program.

Industry and professional representatives actively participate in the Program Advisory Committee, ensuring that the School’s links with industry standards and international business practice remain current.

GLOBAL OPPORTUNITIES

Specialised accounting study tours to Europe and North America are offered annually, subject to demand, and can be credited towards your degree. To help you gain an international perspective on your studies and professional knowledge, study tour scholarships have previously been offered by CPA Australia, WHK Horwath, the Institute of Chartered Accountants in Australia and Global Study Connections. Other study tour destinations include Canada, China, France, Germany, Thailand, USA and Vietnam.

www.rmit.edu.au/bus/international

PATHWAYS

Graduates of the following programs will be eligible to apply for exemptions into the Bachelor of Business (Professional Accountancy) with advanced standing as outlined below, subject to meeting the degree program’s entry requirements.

» Associate Degree in Business: 156 credit points
» Advanced Diploma of Accounting: 120 credit points
» Advanced Diploma of International Business: 120 credit points
» Diploma of Commerce: 96 credit points

YOU MAY ALSO BE INTERESTED IN...

» International business (page 65)
» Management (page 67)

www.rmit.edu.au/programs/bp129

A rigorous and stimulating accounting program designed to give you the ability to make key business decisions and identify, measure, analyse and communicate economic information.

Accountancy as a profession involves recording, classifying, summarising and interpreting financial transactions and events, and is frequently used by lenders, managers, investors, tax authorities and other decision-makers.

You will develop essential skills required to operate successfully in contemporary business and contribute to the future of professionally qualified and broadly trained accountants.

INDUSTRY CONNECTIONS

You will have the opportunity to integrate your learning activities through the cooperative education program—a compulsory paid industry placement undertaken during the third year.

You will also have the opportunity to directly apply your academic skills to a work context in work-integrated learning courses such as Cost Management and Applications and Performance Analysis and Simulations.

ASSOCIATE DEGREE, BACHELOR DEGREE AND DOUBLE DEGREE

ACCOUNTANCY

Bachelor of Business (Professional Accountancy)

RMIT CODE | DURATION | 2013 ANNUAL FEE | 2014 ANNUAL FEE |
--- | --- | --- | --- |
BP129 | 4 years | $23,040 | $24,960 |

www.rmit.edu.au/programs/bp129
A rigorous and stimulating accounting program designed to give you the tools to make key business decisions and measure, analyse and communicate economic information.

Accountancy involves recording, classifying, summarising and interpreting financial transactions and events, and is frequently used by lenders, managers, investors, tax authorities and other decision-makers.

You will develop essential capabilities required to operate successfully in contemporary business and contribute to the future of professionally qualified and broadly trained accountants.

**INDUSTRY CONNECTIONS**

As part of the program you will undertake specialist accounting work-integrated learning courses such as Cost Management and Applications and Performance Analysis and Simulations (each 12 credit points). These courses are designed to develop your work-ready capabilities and your ability to analyse and manage information and contexts, communicate information effectively, resolve problems and pursue continuous personal development related to a business career. In undertaking these courses you will interact and receive feedback from industry and/or community, clients and/or practitioners.

**WHAT YOU WILL STUDY**

The Bachelor of Business (Accountancy) is designed to suit students who already have significant working experience or are on a cadetship.

The degree consists of 24 taught courses (each of 12 credit points) and includes eight common business core courses, eight major courses and eight flexible courses. The flexible courses may be either a second business major; or two minor sequences with one selected from a business discipline; or one minor sequence selected from a business discipline plus four electives.

A second business major can be selected from: business information systems, economics, entrepreneurship, finance, human resource management, international business, logistics and supply chain management, management or marketing.

Business minors can be selected from the same disciplines as listed above, as well as accountancy and economics and finance.

Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure and the professional practice requirements, please visit www.rmit.edu.au/bus/academicprograms

**CAREER OUTLOOK**

About one-third of graduates gain employment in public accounting practices, supporting staff teams in areas such as auditing, taxation, management consulting, business services and receivership. Others are recruited into commercial and government organisations in treasury, internal audit, strategic business planning, financial reporting and management accounting roles.

**PROFESSIONAL RECOGNITION**

The Bachelor of Business (Accountancy) is accredited by CPA Australia and the Institute of Chartered Accountants in Australia.

Graduates of the Bachelor of Business (Accountancy) are entitled to associate membership of all the professional accounting bodies—CPA Australia, the Institute of Chartered Accountants in Australia and the Institute of Public Accountants—provided auditing and taxation subjects are passed. You must then undertake the chosen professional body’s qualification program and gain three years relevant practical experience to gain full membership.

www.cpaaustralia.com.au
www.icaa.com.au
www.publicaccountants.org.au

In addition, living and working in countries such as China, Hong Kong, Singapore or Malaysia gives graduates the option of applying for entry into the final stages of the Association of Chartered Certified Accountants (ACCA) qualification program.

Industry and professional representatives actively participate in the Program Advisory Committee, ensuring that the School’s links with industry standards and international business practice remain current.

**GLOBAL OPPORTUNITIES**

Specialised accounting study tours to Europe and North America are offered annually, subject to demand, and can be credited towards your degree. To help you gain an international perspective on your studies and professional knowledge, study tour scholarships have previously been offered by CPA Australia, WHK Horwath, the Institute of Chartered Accountants in Australia and Global Study Connections. Other study tour destinations include Canada, China, France, Germany, Thailand, USA and Vietnam. Visit www.rmit.edu.au/bus/international
CAREER OUTLOOK
Career opportunities for graduates exist in all sectors of business, including the private and public sectors, small and large enterprises and across the full range of industries.

GLOBAL OPPORTUNITIES
Student exchange may be possible into programs offered at RMIT Vietnam.

PATHWAYS
- Graduates of the Diploma of Commerce will be eligible to apply for exemptions into the Associate Degree in Business with 96 credit points advanced standing, subject to meeting the Associate Degree program’s entry requirements.
- Graduates of the Associate Degree in Business will be eligible to apply for exemptions into any three-year Bachelor of Business degree except the Bachelor of Business (Economics and Finance) with 192 credit points advanced standing, subject to meeting each program’s entry requirements. Associate degree graduates will be eligible to apply for exemptions into the Bachelor of Business (Economics and Finance) with 144 credit points advanced standing.
- Graduates of the Associate Degree in Business will be eligible to apply for exemptions into four-year Bachelor of Business degrees with advanced standing as outlined below, subject to meeting each program’s entry requirements.
  - Business Information Systems: 132 credit points
  - Economics and Finance—Applied: 144 credit points
  - International Business—Applied: 192 credit points
  - Logistics and Supply Chain Management—Applied: 120 credit points
  - Marketing—Applied: 132 credit points
  - Professional Accountancy: 156 credit points

YOU MAY ALSO BE INTERESTED IN...
- Management (page 67)
- Other Bachelor of Business or four year degrees

BUSINESS INFORMATION SYSTEMS
Bachelor of Business (Business Information Systems)

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUB)</th>
<th>2014* ANNUAL FEE (AUB)</th>
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<tbody>
<tr>
<td>BP138</td>
<td>4 years</td>
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<td>$24,960</td>
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www.rmit.edu.au/programs/bp138

Please refer to page 90 for program details.

ECONOMICS AND FINANCE
Bachelor of Business (Economics and Finance) (Applied)

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<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUB)</th>
<th>2014* ANNUAL FEE (AUB)</th>
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<tr>
<td>BP134</td>
<td>4 years</td>
<td>$23,040</td>
<td>$24,960</td>
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</table>

www.rmit.edu.au/programs/bp134

This highly specialised and dynamic program trains you to perform high-level financial and economic analysis at management level in both public and private sectors. Economics as a discipline is constantly evolving to help us understand how and why we allocate resources. It analyses important issues such as poverty, inflation, unemployment, taxes, pollution, crime, finance, inequality, international competition, consumer behaviour, world trade and economic growth.

The program takes a broad-based multidisciplinary approach and provides focused, professional training in areas such as economics and finance.

You will have options to study online, undertake an industry placement, study abroad with a focus on the European Union, and specialise in areas such as financial planning or econometrics.

INDUSTRY CONNECTIONS
You will have the opportunity to integrate work with learning activities through the cooperative education program—a compulsory industry placement undertaken during third year. You will also have the opportunity to directly apply your academic skills to a work context in work-integrated learning courses such as Investment and Risk Management.

WHAT YOU WILL STUDY
Year one
You will study seven of the compulsory common business core courses plus one specialised finance course.

Year two
You will study the final compulsory common business core course, and focus on your major by completing seven specialised economics and finance courses covering topics such as financial markets, macroeconomics, quantitative analysis, price theory, personal wealth management, risk management and investment and financial market law.

Year three
The third year involves a compulsory work-integrated learning (WIL) component in the form of a cooperative education placement.

PROFESSIONAL RECOGNITION
Graduates who have successfully completed the relevant financial planning elective courses will have satisfied the academic requirements to be eligible to enter the Certified Financial Planner (CFP) Program offered by the Financial Planning Association of Australia. www.fpa.asn.au

Graduates who undertake additional specified courses can have these counted towards partially fulfilling the academic requirements for associate membership of CPA Australia. www.cpaaustralia.com.au

Various courses offered within the program have been included in the ASIC Training Register as satisfying the minimum training requirements in line with Regulatory Guide 146 (RG146) for authorised representatives and other persons to provide financial product advice. www.asic.gov.au

62 | 2014 PROSPECTUS FOR INTERNATIONAL STUDENTS >> UNDERGRADUATE AND DIPLOMA
The above professional accreditations have certain other requirements such as a period of relevant industry experience and training programs that would need to be met after graduation.

GLOBAL OPPORTUNITIES
Study tours to France and Germany are offered each year. These intensive study programs can be credited towards your degree and provide you with an overseas travel and cultural experience, while combining studies focusing on the European Union. Other study tour destinations include Canada, China, Thailand, the USA and Vietnam.

www.rmit.edu.au/bus/international

PATHWAYS
Graduates of the following programs will be eligible to apply for exemptions into the Bachelor of Business (Economics and Finance) (Applied) with advanced standing as outlined below, subject to meeting the degree program’s entry requirements.

» Associate Degree in Business: 144 credit points
» Advanced Diploma of Accounting: 108 credit points
» Advanced Diploma of International Business: 120 credit points
» Diploma of Commerce: 96 credit points

YOU MAY ALSO BE INTERESTED IN...

» Marketing (page 68)
» Statistics (page 158)

ECONOMICS AND FINANCE
Bachelor of Business (Economics and Finance)

<table>
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<tr>
<th>PROGRAMS</th>
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<tr>
<td>CITY</td>
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<td>BUNDOORA</td>
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<td>POINT COOK</td>
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www.rmit.edu.au/programs/bp251

This highly specialised and dynamic program trains you to perform high-level financial and economic analysis at management level in both public and private sectors.

Economics as a discipline is constantly evolving to help us understand how and why we allocate resources. It analyses important issues such as poverty, inflation, unemployment, taxes, pollution, crime, finance, inequality, international competition, consumer behaviour, world trade and economic growth.

The program takes a broad-based multidisciplinary approach and provides for focused, professional training in areas such as economics and finance.

You will have options to study online, undertake an industry placement, study abroad with a focus on the European Union, and specialise in areas such as financial planning.

INDUSTRY CONNECTIONS
You will have the opportunity to directly apply your academic skills to a work context in work-integrated learning courses such as Investment and Risk Management. Many courses allow you to further expand your practical application of theoretical concepts through activities such as case studies and assignments.

To gain a thorough appreciation of the complexity of the modern finance industry, you will have access to the Financial Markets Trading Simulator. This facility consists of syndicate rooms linked by sophisticated computer, telephone and financial information networks. It is the only one of its type in Australia and is used by students during the program to simulate trading in the money and foreign exchange markets.

WHAT YOU WILL STUDY
The degree consists of 24 taught courses (each of 12 credit points) and includes eight common business core courses, eight major courses and eight flexible courses. The flexible courses consist of a compulsory minor sequence in economics and finance (four courses). The remaining four flexible courses may be either a second minor or four electives.

Business minors can be selected from: accountancy, business information systems, entrepreneurship, human resource management, international business, logistics and supply chain management, management or marketing.

Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure, please visit www.rmit.edu.au/bus/academicprograms.

CAREER OUTLOOK
Graduates will be equipped with the knowledge and skills necessary to manage enterprises in the public and private sectors. You will gain knowledge and skills in the core areas of business, economics and finance, and learn to apply these skills in multidisciplinary environments.

This program provides opportunities for focused and professional training, prepares you for a range of occupations and industries, such as banking, stockbroking, funds management, insurance and superannuation, as well as other private sector and government organisations requiring high-level, technical expertise in financial or economic analysis.

PROFESSIONAL RECOGNITION
Graduates who have successfully completed the relevant financial planning elective courses will have satisfied the academic requirements to be eligible to enter the Certified Financial Planner (CFP) Program offered by the Financial Planning Association of Australia.

www.fpa.asn.au

Graduates who undertake additional specified courses can have these counted towards partially fulfilling the academic requirements for associate membership of CPA Australia.

www.cpaaustralia.com.au

Various courses offered within the program have been included in the ASIC Training Register as satisfying the minimum training requirements in line with Regulatory Guide 146 (RG146) for authorised representatives and other persons to provide financial product advice.

www.asic.gov.au

The above professional accreditations have certain other requirements such as a period of relevant industry experience and training programs that would need to be met after graduation.

GLOBAL OPPORTUNITIES
Study tours to France and Germany are offered each year. These intensive study programs can be credited towards your degree and provide you with an overseas travel and cultural experience, while combining studies focusing on the European Union. Other study tour destinations include Canada, China, Thailand, the USA and Vietnam.

www.rmit.edu.au/bus/international

PATHWAYS
Graduates of the following programs will be eligible to apply for exemptions into the Bachelor of Business (Economics and Finance) with advanced standing as outlined below, subject to meeting the degree program’s entry requirements.

» Associate Degree in Business: 144 credit points
» Advanced Diploma of Accounting: 108 credit points
» Advanced Diploma of International Business: 120 credit points
» Diploma of Commerce: 96 credit points

YOU MAY ALSO BE INTERESTED IN...

» Marketing (page 68)
» Statistics (page 158)
Entrepreneurship

Bachelor of Business (Entrepreneurship)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (A$)</th>
<th>2014* ANNUAL FEE (A$)</th>
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<td>BP030</td>
<td>3 years</td>
<td>$23,040</td>
<td>$24,960</td>
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</table>

www.rmit.edu.au/programs/bp030

Driven by innovation and developed with industry partners, this market-leading program gives you the confidence and entrepreneurial skills to launch and manage exciting new business ventures. You will be exposed to the ideas and strategies of some of Australia's newest and established entrepreneurs and work in student teams to develop joint venture concepts. You will be trained to think critically, communicate effectively and manage a new business in today's globally competitive business environment.

Industry Connections

You will have the opportunity to directly apply your academic skills to a work context in work-integrated learning courses such as New Venture Creation and Intrapreneurship. In addition, you will be exposed to industry mentors, case study work, enterprise formation and workplace experience. For example, you will undertake projects in host organisations to apply the knowledge you have developed to solve authentic business problems and address real issues faced in a real-life context.

What You Will Study

The degree consists of 24 taught courses (each of 12 credit points) and includes eight common business core courses, eight major courses and eight flexible courses. The flexible courses may be either a second business major; or two minor sequences with one selected from a business discipline; or one minor sequence selected from a business discipline plus four electives. A second business major can be selected from: accountancy, business information systems, economics, finance, human resource management, international business, logistics and supply chain management, management or marketing.

Business minors can be selected from the same disciplines as listed above, as well as economics and finance and entrepreneurship. Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure please visit www.rmit.edu.au/bus/academicprograms.

Career Outlook

Graduates will have the skills and knowledge to start their own ventures, and to work in corporate environments and in small to medium enterprises, as well as in government and not-for-profit organisations.

Professional Recognition

A core focus of the Bachelor of Business (Entrepreneurship) is the establishment of strong industry linkages. Two courses offer you access to industry via work-integrated learning (WIL) including Intrapreneurship in year two and New Venture Creation in year three. The program is also supported by industry partners in the form of scholarships and bursaries.

Global Opportunities

You can gain credit points towards your studies by doing a two-week study tour, an exchange for one semester or one year, or an international work placement. The Bachelor of Business (Entrepreneurship) has several exchange programs in place, including one with Babson College, America's premier institution in the field of entrepreneurship. Study tours depart during the Australian summer or winter vacations and can be credited towards the degree. Destinations include Canada, China, France, Germany, Thiland, the USA and Vietnam.

Pathways

Graduates of the following programs will be eligible to apply for exemptions into the Bachelor of Business (Entrepreneurship) with advanced standing as outlined below, subject to meeting the degree program's entry requirements.

- Associate Degree in Business: 192 credit points
- Advanced Diploma of Accounting: 144 credit points
- Advanced Diploma of International Business: 144 credit points
- Diploma of Commerce: 96 credit points

You May Also Be Interested In...

- International business (page 65)
- Management (page 67)
- Property and valuation (page 39)

Human Resource Management

Bachelor of Business (Human Resource Management)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (A$)</th>
<th>2014* ANNUAL FEE (A$)</th>
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<tr>
<td>BP276</td>
<td>3 years</td>
<td>$23,040</td>
<td>$24,960</td>
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</table>

www.rmit.edu.au/programs/bp276

RMIT’s HR management program focuses on developing strategies to manage people and construct workplace arrangements that respond to organisational and human needs. You will become comfortable using contemporary media and communication tools and develop the ability to explain concepts and put forward proposals in a coherent and logical manner. As an HR practitioner you will be expected to understand sustainable work practices and policies and make organisational decisions within the broader social and economic environment and workplace.

Industry Connections

You will have the opportunity to directly apply your academic skills to a work context in work-integrated learning courses like Occupational Health and Safety (OHS) Management and Negotiation and Advocacy Skills (each 12 credit points). By undertaking these courses you will interact and receive feedback from industry and/or the community, clients and/or practitioners.

What You Will Study

The degree consists of 24 taught courses (each of 12 credit points) and includes eight common business core courses, eight major courses and eight flexible courses. The flexible courses may be either a second business major; or two minor sequences with one selected from a business discipline; or one minor sequence selected from a business discipline plus four electives. A second business major can be selected from: accountancy, business information systems, economics, entrepreneurship, finance, international business, logistics and supply chain management, management or marketing.

Business minors can be selected from the same disciplines as listed above, as well as economics and finance and human resource management. Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure please visit www.rmit.edu.au/bus/academicprograms.

Career Outlook

You will gain the ability and confidence to exercise strong ethical judgment in the areas of employment relations, industrial relations, OHS, negotiation and advocacy, strategic management, and the management of human resources and human performance.

Professional Recognition

Students may seek professional membership of the Australian Human Resources Institute (AHRI).

Global Opportunities

You can gain credit points towards your studies by doing a two-week study tour, an exchange for one semester or one year, or an international work placement. Study tours depart during the Australian summer or winter vacations and can be credited towards the degree. Destinations include Canada, China, France, Germany, Thiland, the USA and Vietnam. Visit www.rmit.edu.au/bus/academicprograms.

Pathways

Graduates of the Associate Degree in Business may be eligible to apply for exemptions of up to two years from this program.

You May Also Be Interested In...

- Management (page 67)
- International business (page 65)
- International business (applied) (page 65)
International business equips you with the ability to manage, analyse and interpret the complex nature of global organisations. You will have the opportunity to integrate work with your learning activities through the cooperative education program—a compulsory paid industry placement undertaken during the third year.

Alternatively, you can complete work-integrated learning by enrolling in a combination of recommended courses and the professional skills program. You will graduate with a solid background in business that will prepare you for work in any for-profit or non-profit business.

**INDUSTRY CONNECTIONS**

In addition to the cooperative education program you will also have the opportunity to directly apply your academic skills to a work context in work-integrated learning courses such as International Business and Global Marketing.

**WHAT YOU WILL STUDY**

**Year one**
You will study seven of the compulsory common business core courses plus one specialised international business course.

**Year two**
You will study the final compulsory common business core course, and focus on your major by completing seven specialised international business courses including studies in global marketing issues, human resources, entrepreneurship, strategic management, international political economy, and Asian culture and business practice.

**Year three**
The third year involves a compulsory work-integrated learning (WIL) component in the form of a cooperative education placement. 

**Year four**
In the final year, you will complete courses in your major area of study, flexible courses and capstone courses that consolidate your theoretical learning from the first two years and your discipline-related supervised work placement in the Business Design Project.

The Business Design Project courses are your chance to bring together what you have learned during your studies. You will need to produce a brief that outlines a specific business issue (current or potential), and then reflect on theory, test creative solutions and finally communicate the issue you have addressed and demonstrate your ability to analyse and problem-solve skills in a coherent manner.

Flexible courses may be chosen from a business or other discipline minor, or from general student electives. Business minors include: accountancy, business information systems, economics, economics and finance, entrepreneurship, finance, human resource management, logistics and supply chain management, management and marketing.

Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure and minors, please visit www.rmit.edu.au/bus/academicprograms

**CAREER OUTLOOK**

Graduates will typically enter employment at junior managerial level in Australia or overseas. These positions may be in:

- Functional areas such as finance, marketing, public relations, or logistics of corporations whose core business revolves around the export and import of goods and services.
- Consultancy companies who advise private and public sectors in trade-related issues.
- Government departments and authorities including those involved in trade facilitation, diplomatic and foreign affairs, and economic research.

**GLOBAL OPPORTUNITIES**

You can gain credit points towards your studies by doing a two-week study tour, an exchange for one semester or one year, or an international work placement. Study tours depart during the Australian summer or winter vacations and can be credited towards the degree. Destinations include Canada, China, France, Germany, Thailand, the USA and Vietnam.

www.rmit.edu.au/bus/international

**PATHWAYS**

Graduates of the following programs will be eligible to apply for exemptions into the Bachelor of Business (International Business) (Applied) with advanced standing as outlined below, subject to meeting the degree program’s entry requirements.

- Associate Degree in Business: 192 credit points
- Advanced Diploma of Accounting: 108 credit points
- Advanced Diploma of International Business: 144 credit points
- Diploma of Commerce: 96 credit points

**YOU MAY ALSO BE INTERESTED IN...**

- Economics and finance (page 63)
- International studies (page 85)
- Logistics and supply chain management (page 67)
- Management (page 67)
- Marketing (page 68)

**INTERNATIONAL BUSINESS**

Bachelor of Business (International Business) (Applied)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION</th>
<th>2013 FEES (AU$)</th>
<th>2014 FEES (AU$)</th>
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<tr>
<td>BP027</td>
<td>4 years</td>
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<td>$24,960</td>
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www.rmit.edu.au/programs/bp027

Developed in conjunction with industry leaders, the three-year program offers you the flexibility to choose a minor from another business discipline, a set of international studies courses or a foreign language to suit your career goals.

**INDUSTRY CONNECTIONS**

You will have the opportunity to directly apply your academic skills to a work context in a number of work-integrated learning courses, such as International Business and Global Marketing (each 12 credit points). Many courses allow you to further expand your practical application of theoretical concepts through activities such as case studies and assignments.

**WHAT YOU WILL STUDY**

The degree consists of 24 taught courses (each of 12 credit points) and includes eight common business core courses, eight major courses and eight flexible courses. The flexible courses may be either a second business major; or two minor sequences with one selected from a business discipline; or one minor sequence selected from a business discipline plus four electives. A second business major can be selected from: accountancy, business information systems, economics, entrepreneurship, finance, human resource management, logistics and supply chain management, management or marketing.

Business minors can be selected from the same disciplines as listed above, as well as economics and finance and international business. Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure please visit www.rmit.edu.au/bus/academicprograms.
**LOGISTICS AND SUPPLY CHAIN MANAGEMENT**

**Bachelor of Business (Logistics and Supply Chain Management) (Applied)**

<table>
<thead>
<tr>
<th>RMIT CODE</th>
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<th>2014* ANNUAL FEE (AUB)</th>
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<tr>
<td>BP143</td>
<td>4 years</td>
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<td>$24,960</td>
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Visit www.rmit.edu.au/programs/bp143

This program prepares you to deal with business problems in the global marketplace and understand the complex world of logistics, supply chain and trade industries. Areas you will cover include purchasing, materials management, inventory control, warehousing, transport and distribution, and end-user stakeholder expectation management.

**INDUSTRY CONNECTIONS**

You will have the opportunity to integrate work with your learning activities through the cooperative education program—a compulsory paid industry placement undertaken during the third year.

You will also have the opportunity to directly apply your academic skills to a work context in a work-integrated learning courses such as Procurement Management and Global Sourcing and Supply Chain Management Strategy.

**WHAT YOU WILL STUDY**

**Year one**

You will study seven of the compulsory common business core courses plus one specialised logistics and supply chain management course.

**Year two**

You will study the final compulsory common business core course, and focus on your major by studying seven specialised logistics and supply chain management courses covering transport economics and freight logistics, warehousing and distribution, procurement management and sourcing, business IT, supply chains, and retail and service logistics.

**Year three**

The third year involves a compulsory work-integrated learning (WIL) component in the form of a cooperative education placement.

**Year four**

In the final year, you will complete courses in your major area of study, flexible courses and capstone courses that consolidate your theoretical learning from the first two years and your discipline-related supervised work placement in the Business Design Project. The Business Design Project courses are your chance to bring together what you have learned during your studies. You will need to produce a brief that outlines a specific business issue (current or potential), and then reflect on theory, test creative solutions and finally communicate the issue you have addressed and demonstrate your ability to analyse and solve problems in a coherent manner.

Flexible courses may be chosen from a business or other discipline minor, or from general student electives. Business minors include: accountancy, business information systems, economics, economics and finance, entrepreneurship, finance, human resource management, international business, management and marketing.

Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure and minors, please visit www.rmit.edu.au/bus/academicprograms

**CAREER OUTLOOK**

Graduates will typically enter employment at junior managerial level in Australia or overseas. These positions may be in:

- Functional areas such as finance, marketing, public relations, or logistics of corporations whose core business revolves around the export and import of goods and services.
- Consultancy companies who advise private and public sectors in trade-related issues.
- Allied industry bodies including those involved in agriculture, mining, telecommunications, manufacturing, transportation, banking, advertising and tourism.
- Government departments and authorities including those involved in trade facilitation, diplomatic and foreign affairs, economic research, international relations, and national promotional activities.

**PROFESSIONAL RECOGNITION**

Industry and professional representatives actively participate in the Program Advisory Committee, ensuring that RMIT’s links with industry standards and international business practice remain current.

**GLOBAL OPPORTUNITIES**

You can gain credit points towards your studies by doing a two-week study tour, an exchange for one semester or one year, or an international work placement. Study tours depart during the Australian summer or winter vacations and can be credited towards the degree. Destinations include Canada, China, France, Germany, Thailand, the USA and Vietnam. Visit www.rmit.edu.au/bus/international

**PATHWAYS**

Graduates of the following programs will be eligible to apply for exemptions into the Bachelor of Business (International Business) with advanced standing as outlined below, subject to meeting the degree program’s entry requirements.

- Associate Degree in Business: 192 credit points
- Advanced Diploma of Accounting: 144 credit points
- Advanced Diploma of International Business: 144 credit points
- Diploma of Commerce: 96 credit points

**YOU MAY ALSO BE INTERESTED IN...**

- Economics and finance (page 63)
- International studies (page 85)
- Logistics and supply chain management (page 67)
- Management (page 67)
- Marketing (page 68)
In this program you will develop knowledge and skills in the core areas of business and logistics and supply chain management, and learn to apply these in multidisciplinary environments. The degree consists of 24 taught courses (each of 12 credit points) and includes eight common business core courses, eight major courses and eight flexible courses. The flexible courses may be either a second business major; or two minor sequences with one selected from a business discipline; or one minor sequence selected from a business discipline plus four electives.

A second business major can be selected from: accountancy, business information systems, economics, entrepreneurship, finance, human resource management, international business, management or marketing.

Business minors can be selected from the same disciplines as listed above, as well as economics and finance and logistics and supply chain management.

Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure please visit www.rmit.edu.au/bus/academicprograms.

WHAT YOU WILL STUDY

LOGISTICS AND SUPPLY CHAIN MANAGEMENT

This program prepares you to deal with business problems in the global marketplace and understand the complex world of logistics, supply chain and trade industries. Areas you will cover include purchasing, materials management, inventory control, warehousing and transport and distribution and end-user stakeholder expectation management.

INDUSTRY CONNECTIONS

You will have the opportunity to directly apply your academic skills to a work context in work-integrated learning courses such as Procurement Management and Global Sourcing and Supply Chain Management Strategy. These courses are designed to develop your work-ready capabilities and your ability to analyse and manage information and contexts, communicate effectively and resolve problems in your future business career. For these courses, selected assessment tasks are designed with industry practitioners. As part of these industry based tasks, you will be assessed and receive feedback in real or simulated workplace settings.

WHAT YOU WILL STUDY

In this program you will develop knowledge and skills in the core areas of business and logistics and supply chain management, and learn to apply these in multidisciplinary environments. The degree consists of 24 taught courses (each of 12 credit points) and includes eight common business core courses, eight major courses and eight flexible courses. The flexible courses may be either a second business major; or two minor sequences with one selected from a business discipline; or one minor sequence selected from a business discipline plus four electives.

A second business major can be selected from: accountancy, business information systems, economics, entrepreneurship, finance, human resource management, international business, management or marketing.

Business minors can be selected from the same disciplines as listed above, as well as economics and finance and logistics and supply chain management.

Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure please visit www.rmit.edu.au/bus/academicprograms.

CAREER OUTLOOK

Logistics and supply chain managers are employed in all aspects of logistics and supply chain management operations. You will be responsible for the effective and efficient integration of all logistics activities, supported by the application of relevant IT and e-business practices. Graduates also work closely with other functional company managers in areas such as marketing, manufacturing and engineering.

As a result of strong support given to the degree by professional associations and the transport and logistics industry, graduates have excellent prospects of gaining employment.

Most graduates pursue management/ administrative careers in companies that operate in various transport modes, such as air, sea, road and rail, and in companies that specialise in purchasing, supply chain management, contract distribution, manufacturing and retailing.

PROFESSIONAL RECOGNITION

On successful completion of the Bachelor of Business (Logistics and Supply Chain Management) graduates are entitled to membership of The Chartered Institute of Logistics and Transport (CILTA) in Australia. CILTA also provides strong and active support for the program. Another important industry association supporting the program is the Logistics Association of Australia.

www.cilta.com.au

www.laa.asn.au

Industry and professional representatives actively participate in the Program Advisory Committee, ensuring that RMIT’s links with industry standards and international business practice remain current.

GLOBAL OPPORTUNITIES

You can gain credit points towards your studies by doing a two-week study tour, an exchange for one semester or one year, or an international work placement. Study tours depart during the Australian summer or winter vacations and can be credited towards the degree. Destinations include Canada, China, France, Germany, Thailand, the USA and Vietnam.

www.rmit.edu.au/bus/international

PATHWAYS

Graduates of the following programs will be eligible to apply for exemptions into the Bachelor of Business (Logistics and Supply Chain Management) (Applied) with advanced standing as outlined below, subject to meeting the degree program’s entry requirements.

- Associate Degree in Business: 120 credit points
- Advanced Diploma of Accounting: 84 credit points
- Advanced Diploma of International Business: 96 credit points
- Diploma of Commerce: 96 credit points

YOU MAY ALSO BE INTERESTED IN...

- International business (page 65)
- International studies (page 85)

LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Bachelor of Business (Logistics and Supply Chain Management)

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<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<th>2014* ANNUAL FEE (AUS)</th>
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<tr>
<td>BP255</td>
<td>3 years</td>
<td>$23 040</td>
<td>$24 960</td>
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www.rmit.edu.au/programs/bp255

This program prepares you to deal with business problems in the global marketplace and understand the complex world of logistics, supply chain and trade industries. Areas you will cover include purchasing, materials management, inventory control, warehousing and transport and distribution and end-user stakeholder expectation management.

INDUSTRY CONNECTIONS

You will have the opportunity to directly apply your academic skills to a work context in work-integrated learning courses such as Procurement Management and Global Sourcing and Supply Chain Management Strategy. These courses are designed to develop your work-ready capabilities and your ability to analyse and manage information and contexts, communicate effectively and resolve problems in your future business career. For these courses, selected assessment tasks are designed with industry practitioners. As part of these industry based tasks, you will be assessed and receive feedback in real or simulated workplace settings.

WHAT YOU WILL STUDY

Industries and supply chain managers are employed in all aspects of logistics and supply chain management operations. You will be responsible for the effective and efficient integration of all logistics activities, supported by the application of relevant IT and e-business practices. Graduates also work closely with other functional company managers in areas such as marketing, manufacturing and engineering.

As a result of strong support given to the degree by professional associations and the transport and logistics industry, graduates have excellent prospects of gaining employment.

Most graduates pursue management/ administrative careers in companies that operate in various transport modes, such as air, sea, road and rail, and in companies that specialise in purchasing, supply chain management, contract distribution, manufacturing and retailing.

PROFESSIONAL RECOGNITION

On successful completion of the Bachelor of Business (Logistics and Supply Chain Management) graduates are entitled to membership of The Chartered Institute of Logistics and Transport (CILTA) in Australia. CILTA also provides strong and active support for the program. Another important industry association supporting the program is the Logistics Association of Australia.

www.cilta.com.au

www.laa.asn.au

Industry and professional representatives actively participate in the Program Advisory Committee, ensuring that RMIT’s links with industry standards and international business practice remain current.

GLOBAL OPPORTUNITIES

You can gain credit points towards your studies by doing a two-week study tour, an exchange for one semester or one year, or an international work placement. Study tours depart during the Australian summer or winter vacations and can be credited towards the degree. Destinations include Canada, China, France, Germany, Thailand, the USA and Vietnam.

www.rmit.edu.au/bus/international

PATHWAYS

Graduates of the following programs will be eligible to apply for exemptions into the Bachelor of Business (Logistics and Supply Chain Management) (Applied) with advanced standing as outlined below, subject to meeting the degree program’s entry requirements.

- Associate Degree in Business: 120 credit points
- Advanced Diploma of Accounting: 84 credit points
- Advanced Diploma of International Business: 96 credit points
- Diploma of Commerce: 96 credit points

YOU MAY ALSO BE INTERESTED IN...

- International business (page 65)
- International studies (page 85)

LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Bachelor of Business (Logistics and Supply Chain Management)

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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<tr>
<td>BP217</td>
<td>3 years</td>
<td>$23 040</td>
<td>$24 960</td>
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www.rmit.edu.au/programs/bp217

Studying contemporary management at RMIT will teach you to exercise strong ethical judgement while prioritising financial, marketing and human resources tasks across a variety of organisational structures.

You will learn to deal with complex issues, lead teams and make business decisions that consider the local impact of global changes to markets and business practices.

INDUSTRY CONNECTIONS

You will have the opportunity to directly apply your academic skills to a work context in work-integrated learning courses such as International Management and Leading for Change (each 12 credit points).

Work-integrated learning opportunities help link your formal studies with workplace experience, developing your capabilities to analyse and manage information and contexts, communicate effectively, resolve problems and focus on future career development. By undertaking these courses you will interact and receive feedback from industry, and/or the community, clients and practitioners.
WHAT YOU WILL STUDY

The degree consists of 24 taught courses (each of 12 credit points) and includes eight common business core courses, eight major courses and eight flexible courses. The flexible courses may be either a second business major, or two minor sequences with one selected from a business discipline, or one minor sequence selected from a business discipline plus four electives.

A second business major can be selected from: accountancy, business information systems, economics, entrepreneurship, finance, human resource management, international business, logistics and supply chain management, management or marketing.

Business minors can be selected from the same disciplines as listed above as well as economics and finance, and management.

Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure please visit www.rmit.edu.au/bus/academicprograms.

CAREER OUTLOOK

Graduates are employed in a range of professional, commercial, industrial and not-for-profit organisations. With appropriate experience, they can expect to advance to management positions.

PROFESSIONAL RECOGNITION

The Program Advisory Committee provides feedback on the currency of the program and the changing needs of industry. Committee members include senior executives from a number of major national companies.

GLOBAL OPPORTUNITIES

You can gain credit points towards your studies by doing a two-week study tour, an exchange for one semester or one year, or an international work placement. Study tours depart during the Australian summer or winter vacations and can be credited towards the degree. Destinations include Canada, China, France, Germany, Thailand, the USA and Vietnam. www.rmit.edu.au/bus/international

PATHWAYS

Graduates of the following programs will be eligible to apply for exemptions into the Bachelor of Business (Management) with advanced standing as outlined below, subject to meeting the degree program’s entry requirements.

» Associate Degree in Business: 192 credit points
» Advanced Diploma of Accounting: 144 credit points
» Advanced Diploma of International Business: 144 credit points
» Diploma of Commerce: 96 credit points

YOU MAY ALSO BE INTERESTED IN...

» Accountancy (page 61)
» Entrepreneurship (page 64)
» Environmental science/management (page 136)
» International business (page 65)
» Logistics and supply chain management (page 67)
» Aerospace engineering/management (page 106)
» Aviation/management (page 109)
» Chemical engineering/management (page 112)
» Civil and infrastructure engineering/management (page 114)
» Electrical engineering/management (page 119)
» Mechanical engineering/management (page 126)

WHAT YOU WILL STUDY

Year one
You will study seven of the compulsory common business core courses plus one specialised marketing course.

Year two
You will study the final compulsory common business core course, and focus on your major by completing seven specialised marketing courses including studies in marketing communication, market research, service quality, global marketing, B2B marketing, business ethics and advanced marketing concepts and applications.

Year three
The third year involves a compulsory work-integrated learning (WIL) component in the form of a cooperative education placement.

Year four
In the final year, you will complete courses in your major area of study, flexible courses and capstone courses that consolidate your theoretical learning from the first two years, and your discipline-related supervised work placement in the Business Design Project.

The Business Design Project courses are your chance to bring together what you have learned during your studies. You will need to produce a brief that outlines a specific business issue (current or potential), and then reflect on theory, test creative solutions and finally communicate the issue you have addressed and demonstrate your ability to analyse and problem-solve skills in a coherent manner.

Flexible courses may be chosen from a business or other discipline minor, or from general student electives. Business minors include: accountancy, business information systems, economics, economics and finance, entrepreneurship, finance, human resource management, international business, logistics and supply chain management and management.

Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure and minors, please visit www.rmit.edu.au/bus/academicprograms.

Electives allow you to develop expertise in your chosen or prospective career specialisation. You can choose from topics such as retailing, direct marketing and sport marketing, or other business disciplines such as IT, logistics and international finance.

You will typically learn within a structure of lectures and tutorials, using case studies and assignments. RMIT’s strong links with industry which benefit students undertaking discipline-related industry projects and ensure that all programs remain industry-relevant.

Guest lectures by industry experts expose you to current marketing practice, and sessional lecturers also provide opportunities to engage with industry practitioners.

MARKETING

Bachelor of Business (Marketing) (Applied)

RMIT CODE: BP141

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUD)</th>
<th>2014* ANNUAL FEE (AUD)</th>
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<tbody>
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<td>BP141</td>
<td>4 years</td>
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www.rmit.edu.au/programs/bp141

You will study the latest in business marketing theories to understand customers, design product and brand strategies, and make informed decisions about pricing, promotion and distribution.

This program covers statistics, economics, accounting, business finance, computer applications, management and law, as well as other specialist marketing courses.

INDUSTRY CONNECTIONS

You will have the opportunity to integrate industry experience with your learning activities through the cooperative education program—a compulsory industry placement undertaken during the third year.

You will be able to directly apply your academic skills to a work context in work-integrated learning courses, such as Business-to-Business Marketing and Global Marketing. These courses allow you to further expand your practical application of theoretical concepts through activities such as case studies and assignments.

RMIT’s strong links with industry which benefit students undertaking discipline-related industry projects and ensure that all programs remain industry-relevant.

Guest lectures by industry experts expose you to current marketing practice, and sessional lecturers also provide opportunities to engage with industry practitioners.
CAREER OUTLOOK

Graduates will find a wide variety of marketing career opportunities open to them in a range of small, medium and large organisations in the private and public sectors:

» business-to-business marketing
» direct marketing
» e-commerce and e-marketing
» market research
» marketing communications
» marketing information systems
» product management
» retailing
» sales, advertising and public relations.

PROFESSIONAL RECOGNITION

Graduates of the Bachelor of Business (Marketing) (Applied) may be eligible to become an associate member of the Australian Marketing Institute and the Australian Market and Social Research Society. Membership provides benefits relevant to career development. For further details:

www.ami.org.au
www.amsrs.com.au

GLOBAL OPPORTUNITIES

Study tours to France and Germany are offered each year. These intensive study programs can be credited towards your degree and provide you with an overseas travel and cultural experience while combining studies focusing on the European Union. Other study tour destinations include Canada, China, Thailand, the USA and Vietnam.

www.rmit.edu.au/bus/international

PATHWAYS

Graduates of the following programs will be eligible to apply for exemptions into the Bachelor of Business (Marketing) (Applied) with advanced standing as outlined below, subject to meeting the degree program’s entry requirements.

» Associate Degree in Business: 132 credit points
» Advanced Diploma of Accounting: 96 credit points
» Advanced Diploma of International Business: 108 credit points
» Diploma of Commerce: 96 credit points

YOU MAY ALSO BE INTERESTED IN...

» Advertising (page 74)
» Professional communication (page 77)
» Public relations (page 78)

MARKETING

Bachelor of Business (Marketing)

RMIT CODE | DURATION AND CAMPUS | 2013 ANNUAL FEE (AUS) | 2014* ANNUAL FEE (AUS)
--- | --- | --- | ---
BP252 | 3 years | $23,040 | $24,960

You will study the latest in business marketing theories to understand customers, design product and brand strategies, and make informed decisions about pricing, promotion and distribution.

This program covers statistics, economics, accounting, computer applications, management and law, and other specialist marketing courses.

INDUSTRY CONNECTIONS

You will have the opportunity to directly apply your academic skills to a work context in a number of work-integrated learning courses, such as Business-to-Business Marketing and Global Marketing. These courses allow you to further expand your practical application of theoretical concepts through activities such as case studies and assignments.

RMIT’s close links with industry benefit students undertaking discipline-related industry projects and ensure that all programs remain industry-relevant.

WHAT YOU WILL STUDY

The degree consists of 24 taught courses (each of 12 credit points) and includes eight common business core courses, eight major courses in the marketing discipline and eight flexible courses. The flexible courses may be either a second business major; or two minor sequences with one selected from a business discipline; or one minor sequence selected from a business discipline plus four electives.

A second business major can be selected from: accountancy, business information systems, economics, entrepreneurship, finance, human resource management, international business, logistics and supply chain management or management.

Business minors can be selected from the same disciplines as listed above, as well as economics and finance and a marketing extension minor. Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure please visit www.rmit.edu.au/bus/academicprograms.

CAREER OUTLOOK

Graduates will find a wide variety of marketing career opportunities open to them in a range of small, medium and large organisations in the private and public sectors.

» business-to-business marketing
» direct marketing
» e-commerce and e-marketing
» market research
» marketing communications
» marketing information systems
» product management
» retailing
» sales, advertising and public relations.

PROFESSIONAL RECOGNITION

Graduates of the Bachelor of Business (Marketing) (Applied) may be eligible to become a member of the Australian Marketing Institute and the Australian Market and Social Research Society. Membership provides benefits relevant to career development. For further details:

www.ami.org.au
www.amsrs.com.au

GLOBAL OPPORTUNITIES

Study tours to France and Germany are offered each year. These intensive study programs can be credited towards your degree and provide you with an overseas travel and cultural experience while combining studies focusing on the European Union. Other study tour destinations include Canada, China, Thailand, the USA and Vietnam.

Visit www.rmit.edu.au/bus/international

PATHWAYS

Graduates of the following programs will be eligible to apply for exemptions into the Bachelor of Business (Marketing) (Applied) with advanced standing as outlined below, subject to meeting the degree program’s entry requirements.

» Associate Degree in Business: 192 credit points
» Advanced Diploma of Accounting: 144 credit points
» Advanced Diploma of International Business: 144 credit points
» Diploma of Commerce: 96 credit points

YOU MAY ALSO BE INTERESTED IN...

» Advertising (page 74)
» Professional communication (page 77)
» Public relations (page 78)

STATISTICS

Bachelor of Science (Statistics)

RMIT CODE | DURATION AND CAMPUS | 2013 ANNUAL FEE (AUS) | 2014* ANNUAL FEE (AUS)
--- | --- | --- | ---
BP245 | 3 years | $25,920 | $25,920

www.rmit.edu.au/programs/bp245

Please refer to page 158 for program details.
'RMIT is different from other universities because of its central city location, learning facilities and resources. Lecturers and tutors are very helpful and almost all the resources I need are provided. 'My degree has helped me to analyse critically, write academically and effectively communicate to a large audience.'

Nora Gire
Bachelor of Communication (Professional Communication)
Communication and digital media

Through hands-on programs where you pitch real ideas to real clients, and work placement opportunities with world-leading organisations, you will be prepared for a fast-moving and constantly evolving career.

RMIT graduates work around the world in TV, radio, print media, corporations, government and not-for-profit organisations.

RMIT’s communication and digital media programs are highly sought after for their strong industry connections and focus on work-integrated learning.

Programs are available in the fields of:

- advertising
- communication
- creative writing
- journalism
- media
- music industry
- public relations
- screenwriting.

Prepare yourself for a global career in media.

VIDEO LINK

Find out why RMIT is renowned for its media and communications graduates.

Scan this code to watch the online video.
**Communication and Digital Media**

**Certificate, Diploma and Advanced Diploma**

**Audiovisual Technology**

**Certificate IV in Audiovisual Technology**

<table>
<thead>
<tr>
<th>RMIT Code</th>
<th>Duration and Campus</th>
<th>2013 Total Fee (AU$)</th>
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<td>C4230</td>
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**Diploma of Audiovisual Technology**

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<thead>
<tr>
<th>RMIT Code</th>
<th>Duration and Campus</th>
<th>2013 Total Fee (AU$)</th>
<th>2014* Total Fee (AU$)</th>
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<tr>
<td>C5231</td>
<td>1 year</td>
<td>$15,000</td>
<td>$15,750</td>
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</tbody>
</table>


Are you interested in working in audio, lighting, video and presentation and looking to develop a career in this field? Would you like to work in a team transforming audiovisual (AV) designs into presentations for screen or live events?

You will be trained for production roles in:
- audio engineering
- event management
- technical direction
- vision switching
- camera operation
- projection and lighting operation
- design and installation.

You will graduate job ready and qualified to work for television broadcasters, event production companies, universities and schools, and infrastructure designers and installers.

**What You Will Study**

Students will typically apply for the certificate IV and complete the suite of two programs over two years full-time.

The certificate IV will provide you with a broad range of audiovisual technological skills, including audiovisual production, video and presentation equipment operation, television studio production, digital photography, location lighting, practical placement and equipment maintenance.

The diploma will provide you with a range of specialised technical, creative and conceptual skills that may be used in corporate events, education, installation, screen and other sectors of the audiovisual industry. You will train in home theatre installation and design, broadcast news camera, short drama video production and editing, production lighting and audiovisual technical direction, music DVD and events production.

**Career Outlook**

Graduates are prepared for work in production roles in the following fields: staging and event production, broadcast television, broadcast radio, audiovisual equipment hire and staging, audiovisual systems design, audiovisual installation including home theatre, corporate video production, education AV support, theatre, multimedia, film production, hotel audiovisual production and operation, audiovisual production, audiovisual equipment operation.

Graduates work for the following organisations: ABC Television, KLM Group, Melbourne Convention and Exhibition Centre, National Theatre, RMIT University, Rutledge Engineering, Staging Connections, Tasman AV, Ten Network, Victorian Arts Centre.

**You May Also Be Interested In...**

- Music industry (page 77)
- Sound production (page 74)

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**Interactive Digital Media**

**Diploma of Interactive Digital Media**

<table>
<thead>
<tr>
<th>RMIT Code</th>
<th>Duration and Campus</th>
<th>2013 Total Fee (AU$)</th>
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<tr>
<td>C5218</td>
<td>1 year</td>
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**Advanced Diploma of Screen and Media—Multimedia**

<table>
<thead>
<tr>
<th>RMIT Code</th>
<th>Duration and Campus</th>
<th>2013 Total Fee (AU$)</th>
<th>2014* Total Fee (AU$)</th>
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</tbody>
</table>


Qualify for a career in art, design, screen and media with a program that offers a creative environment, encourages artistic and intellectual investigation and maintains strong links with the digital media industry. This program is renowned as Australia’s leader in interactive and digital media education.

Students and staff associated with this program have exhibited in festivals and conferences locally and internationally, at places like Cannes, Siggraph, MILIA and Annecy.

After you complete the Diploma of Interactive Digital Media, you can progress to the Advanced Diploma of Screen and Media—Multimedia.

**What You Will Study**

**Diploma**

The Diploma of Interactive Digital Media prepares you for a career in the industry with training in computer-generated art and design incorporating:
- design and presentation
- 2D imaging design
- 2D animation
- video and screen
- interactive design
- 3D digital environments and models
- creative collaboration
- digital visual effects.

**Advanced Diploma**

The advanced diploma is designed to deepen your knowledge and skills in the areas of interactive digital media. After you have completed the diploma you are encouraged to continue your studies in the advanced diploma. You will focus on the following key areas:
- advanced interactivity
- concept development
- games
- group productions
- independent production
- sound design.
Advanced diploma

The advanced diploma is designed to deepen your knowledge and skills in the areas of screen and media. Note that there are two plans, and after you have completed the diploma you are encouraged to continue your studies in the screen plan.

Screen plan

You will be introduced to cinematography (16 mm and video) and cover post-production sound, as well as art direction and design, with specific focus on raising production values.

You will engage in the following areas that will assist with your transition into the world of film and television production:

- art direction and design
- cinematography
- creativity
- directing
- innovation
- post-production
- post-production sound and design
- production
- script writing
- special effects (VFX)

The emphasis is on innovative program content, high production values, teamwork, professionalism and industry knowledge.

Multimedia plan

The advanced diploma is designed to further refine and deepen your knowledge and skills in the following key areas:

- advanced interactivity
- concept development
- games
- independent production
- group productions
- sound design.

CAREER OUTLOOK

The screen programs are designed to prepare graduates for transition into the Australian film and television industry or as independent industry professionals.

Many graduates have successfully built a career in the film and TV industry working at companies such as Australia's Network 10 and Channel 9.

You may also be interested in...

- Animation and interactive media (page 47)
- Games (page 52)
- Information technology (multimedia design) (page 93)
PATHWAYS
Graduates of the Diploma of Screen and Media may progress to the Advanced Diploma of Screen and Media—Multimedia.

- Graduates of the screen plan will be eligible for entry into the Bachelor of Communication (Media) with up to 144 credit points of advanced standing. Additional requirements apply.
- Graduates of the multimedia plan will be eligible for entry into the Bachelor of Design (Games) with up to 96 credit points of advanced standing. Additional requirements apply.
- Graduates of the multimedia plan will be eligible for entry into the Bachelor of Arts (Animation and Interactive Media) with up to 144 credit points of advanced standing. Additional requirements apply.

YOU MAY ALSO BE INTERESTED IN...
- Media (page 76)

SOUND PRODUCTION
Certificate IV in Sound Production

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 TOTAL FEE (AU$)</th>
<th>2014 TOTAL FEE (AU$)</th>
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<tbody>
<tr>
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<td>$16500</td>
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www.rmit.edu.au/programs/c4276

Advanced Diploma of Sound Production

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 TOTAL FEE (AU$)</th>
<th>2014 TOTAL FEE (AU$)</th>
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<td>1 year C</td>
<td>$15750</td>
<td>$16500</td>
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</table>

www.rmit.edu.au/programs/c6104

Bring your technical and creative talents together to forge a career in sound and music. Good sound technicians and audio engineers are always in demand, and this program uses modern industry-standard equipment so you can develop essential skills for multiple technologies.

WHAT YOU WILL STUDY
Applicants will typically apply for the certificate IV and complete the suite of two programs over two years full-time.

Certificate IV
- Critical listening skills
- Digital audio editing
- Digital audio theory
- Project management
- MIDI (musical instrument digital interface)
- Operate sound mixing console
- Operate professional audio equipment
- Practical electronics
- Sound and acoustics
- Microphones
- Studio recording and mixing
- Live sound reinforcement
- Workplace communication
- Broadcast sound.

Advanced Diploma
- Advanced live sound
- Audio production for media
- Create a final sound balance
- Develop sound design
- Electronic music technology (Advanced MIDI)
- Event management
- Performance technology
- Broadcast and network protocols
- Studio recording and mixing
- Surround sound production.

CAREER OUTLOOK
Sound technicians operate audio equipment to amplify, enhance, record, mix or reproduce sound in a wide range of situations. Work may include studio recording, pre-production, live sound and music reinforcement, including related fields such as television, radio, film and multimedia.

YOU MAY ALSO BE INTERESTED IN...
- Audiovisual technology (page 72)
- Music industry (page 77)
- Fine art (sound art) (page 51)

ASSOCIATE DEGREE, BACHELOR DEGREE AND DOUBLE DEGREE

ADVERTISING
Bachelor of Communication (Advertising)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AU$)</th>
<th>2014 ANNUAL FEE (AU$)</th>
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<td>3 years C</td>
<td>$23040</td>
<td>$24000</td>
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</tbody>
</table>

www.rmit.edu.au/programs/bp219

The Bachelor of Communication (Advertising) program will develop your problem-solving and analytical skills and challenge you to seek new and unexpected solutions to advertising opportunities. Working as an individual and in teams, you will initiate, plan and produce effective advertising campaigns that generate attention for brands and products and build an emotional bond with consumers. Importantly, you will also develop the skills and knowledge to critically appraise these activities.

INDUSTRY CONNECTIONS
This degree has strong industry links and a commitment to work readiness. You will be encouraged to seek work experience and participate in international award competitions. Industry briefs are an integral part of the curriculum for many of the advertising courses, working in close cooperation with industry partners.

WHAT YOU WILL STUDY
Professional strand
In the professional strand, major areas of study include art direction, campaigns, client management, computer graphics, concept development, copywriting, strategy and media planning.

Communication strand
All students in the Bachelor of Communication (Advertising) are required to take four communication strand courses:
- Communication and social relations
- Communication histories and technologies
- Introduction to advertising
- An approved communication elective.
Contextual studies strand
You must complete a major in contextual studies. A major consists of five courses from one of the following fields:
- Asian media and culture
- Cinema studies
- Politics, economies, communication
- Literature and philosophy.
You must also complete three general student electives, usually in different fields from that chosen for your major. The contextual studies component of the degree ensures that graduates bring a broad academic grounding to their subsequent work in the industry.

CAREER OUTLOOK
Advertising graduates are equipped to become innovative advertising strategists, copywriters and art directors. You will be trained to work strategically and creatively, locally and globally, and move seamlessly and comfortably across disciplines and organisations that use advertising to achieve their goals.

Typically, graduates work in:
- Agencies specialising in advertising, digital media, direct-response and sales promotion.
- Media (TV and radio stations, newspapers and magazines), suppliers (TV production, radio, print and new media).
- Business, government and non-profit organisations with in-house advertising facilities.
- Advertising and management consultancies. Demand is high for top graduates in major business centres, and long-term employment prospects are good globally, with particular growth in the Asia-Pacific region.

PROFESSIONAL RECOGNITION
This degree is reviewed and accredited by the worldwide industry body, the New York-based International Advertising Association (IAA). Graduates will be eligible for the IAA’s Diploma of Advertising in addition to their degree from RMIT.

GLOBAL OPPORTUNITIES
The advertising program exchanges students with the Danish School of Media and Journalism (DMJX) in Copenhagen. This gives students invaluable exposure to a wide range of international industry partnerships, networks and work experiences.

YOU MAY ALSO BE INTERESTED IN...
- Marketing (page 68)
- Media (page 76)
- Professional communication (page 77)
- Public relations (page 78)

CREATIVE WRITING
Bachelor of Arts (Creative Writing)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUS)</th>
<th>2014* ANNUAL FEE (AUS)</th>
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<td>3 years</td>
<td>$25,920</td>
<td>$26,880</td>
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</table>

www.rmit.edu.au/programs/bp257

Be the author of your own story. Creative writing at RMIT provides you with the opportunity to develop your skills as a creative writer, with emphasis on literary and creative writing studies, writing style and structure and writing techniques, reflective practice, publication and production, and the creative writing industry. The degree offers a range of theoretical and practical approaches to creative writing, spanning narrative theory and creative writing techniques, fiction and non-fiction, literary studies and philosophy, scriptwriting, cinema studies and new media.

INDUSTRY CONNECTIONS
You will undertake projects in host organisations to apply the knowledge you have developed in a real-life context. Learning activities may include industry and peer critique of scripts within a writing studio model; presenting a ‘pitch’ to a potential publisher or producer, or working as an editor on the student anthology of creative writing.

WHAT YOU WILL STUDY
Year one
In year one, you will study the art of narrative, world myths and narratives, introduction to cinema studies, and recent philosophy, modernism and post-modernism. You will also write non-fiction, study contemporary Australian writing, be introduced to literary studies, and write media texts.

Year two
In year two, you will have a choice to specialise in either the area of novel writing or screenplay writing. In the novel major, you will study literary non-fiction, literary realism to post-modernism, novel writing studio, and literary theory, as well as taking a creative writing elective. In the screenplay writing major, you will study the anatomy of a screenplay, scriptwriting, authorship, screenplay studio and narrative in the cinema, a creative writing elective, and themes from popular culture.

Year three
In year three, you will look at concept development, communicating the self, professional practice, and genre. There will also be a major project and production, as well as the business of creative writing.

CAREER OUTLOOK
Employment opportunities exist in three broad areas: writing for publication in print and new media; writing for screenplay and script development; writing for and about education and other research fields.

With the increasing opportunities that arise from writing for convergent media platforms through interactivity, games and e-zines, the field for writers is expanding. There is also the potential to be self-employed as a creative writer.

PROFESSIONAL RECOGNITION
This program does not require professional accreditation. But the publishing industry in Australia has been highly supportive of Creative Writing at RMIT, and the University has close ties with Penguin Books, The Australian Film Commission, Scribe Publishers, Film Victoria, Allen and Unwin, Channel Seven, Text Publishers, Random House, Sleepers Publishing and others.

YOU MAY ALSO BE INTERESTED IN...
- Journalism (page 75)
- Professional communication (page 77)
- Public relations (page 78)

JOURNALISM
Bachelor of Communication (Journalism)

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUS)</th>
<th>2014* ANNUAL FEE (AUS)</th>
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<tr>
<td>BP220</td>
<td>3 years</td>
<td>$23,040</td>
<td>$24,000</td>
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</table>

www.rmit.edu.au/programs/bp220

Journalism at RMIT is one of Australia’s most highly regarded journalism university qualifications. This program’s combination of theory and practice is highly respected and recognised by the news media industry and by journalism academics around the country. RMIT graduates stand out, even in today’s challenging employment environment. As part of your studies, you will take part in live radio bulletins for community radio, and a news and current affairs program for community television.

INDUSTRY CONNECTIONS
As well as a formal internship in third year, requests are received throughout the year from news organisations offering paid and voluntary work for RMIT students.
WHAT YOU WILL STUDY

The degree consists of 24 courses in three strands:

Professional strand
You will complete 12 professional strand courses. In your first year, you will be introduced to the basic skills required for a journalism career, such as reporting and writing skills and the ethics and regulations that govern journalists. In year two, you will build on your print skills with an advanced print course and also learn to report, write and produce live radio and television and the fundamentals of online journalism.

You will undertake an internship in your final year, as well as building your radio and television skills through your involvement in live radio and television news bulletins. You will also report, write and produce the program’s newspaper and online news site in a converged newsroom.

Communication strand
You will be required to take four communication strand courses.

Contextual studies strand
You must also complete a major in contextual studies (five courses). The contextual studies component of the degree ensures that you will bring a broad academic grounding to your subsequent work in the industry.

You must also complete three general student electives.

CAREER OUTLOOK

You will be able to work in Australia and overseas in all fields of journalism, such as metropolitan, regional and suburban newspapers, magazines, specialist publications, radio, television, online and in related areas in the corporate and public sectors.

The journalism profession has no single point of entry, but industry values the multi-platform skills that RMIT journalism graduates offer, and which are necessary in a modern newsroom. The majority of graduates find work in the news media or a related field within six months of graduating. Although the focus of the degree is to prepare you for a career in journalism, it can also serve as a general preparation for other careers in the communications field.

PROFESSIONAL RECOGNITION

The program has the assistance and support of the Journalism Program Advisory Committee, which has senior representatives from metropolitan daily and regional newspapers, broadcast and online media.

GLOBAL OPPORTUNITIES

You may be able to study overseas for one or two semesters at universities in the UK, the USA, Canada and Europe.

YOU MAY ALSO BE INTERESTED IN...

- Professional communication (page 77)
- Public relations (page 78)

In third year, the emphasis is on advanced project work, which integrates and develops the theoretical, practical and professional knowledge previously acquired. You will function more independently, directing your own learning and producing media projects with an academic and/or industry focus.

The communication and contextual studies strands enable you to develop the critical and analytical skills, theoretical knowledge and research expertise with which to better understand and evaluate your own work and the work of others.

TEACHING METHODS

Students learn through participation in a combination of lecture, seminar, tutorial, workshop, studio, practical and laboratory sessions. Courses use networked learning technologies such as blogs and wikis wherever appropriate.

ASSESSMENT

Assessment is ongoing throughout the semester and may include essays/reports, oral class presentations, group projects, research projects, laboratory projects and practical assignments. You will learn and practise skills for self and peer assessment.

CAREER OUTLOOK

RMIT media graduates can be found throughout the media industries within Australia and internationally. They find work in the film and television industry, public and commercial radio, internet and mobile media, screen culture, journalism, marketing, publishing, academia, the music and games industries, and the government sector.

PROFESSIONAL RECOGNITION

RMIT Media has an excellent academic and vocational reputation. The degree is widely recognised by media industry employers as producing industry-ready graduates.

A Program Advisory Committee comprising senior industry figures representing the film and television industry, public and commercial radio, internet and mobile media, screen culture, journalism, marketing, publishing, academia, the music and games industries, and the government sector.

YOU MAY ALSO BE INTERESTED IN...

- Journalism (page 75)
- Professional communication (page 77)
- Screen and media (page 73)
This music industry program develops your knowledge and skills in music performance, sound recording and production, and music business. You will examine the disciplines of the music industry through practical, theoretical and conceptual investigations. The program covers current music industry issues and practices, with optional courses available in either performance practice and presentation skills or specific business areas. Courses deal with linked concept development and fully realised projects and you will gain industry-based field experience.

WHAT YOU WILL STUDY

Year one
Eight courses, including workplace communication, computer sound production, philosophy of popular culture, sound design, media cultures, design studio, musical performance and entrepreneurial ventures.

Year two
Eight courses, including contemporary and legal issues in the music industry, pathways into industry-based field experience, emerging writing and publishing trends, practical and challenging environment, with awareness of industry connections and fully realised projects and you will gain industry-based field experience.

CAREER OUTLOOK

Graduates are employed in a variety of areas leading to middle and upper management within the broad music industry. Completion of the degree offers an opportunity to move from music performance, sound production and music business into employment in the performing arts industry, through industry-based projects and placement.

YOU MAY ALSO BE INTERESTED IN...

- Audiovisual technology (page 72)
- Sound production (page 74)
- Fine art (page 51)

www.rmit.edu.au/programs/bp047

### PROFESSIONAL COMMUNICATION

Bachelor of Communication (Professional Communication)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUS)</th>
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www.rmit.edu.au/programs/bp222

You will develop a broad grounding in journalism, media production and public relations and gather a range of skills valued by a wide variety of professional communication fields. This career-oriented program is one of the best professional communication qualifications in Australia. It produces multi-skilled communicators with online, radio, television and print experience. You will develop skills in:

- corporate communications
- professional writing and editing
- online and broadcast journalism
- script writing, film, TV and radio production
- public relations
- journalism
- media production.

WHAT YOU WILL STUDY

The degree comprises three groups of courses: communication studies, professional studies and contextual studies. You will complete compulsory courses in communication studies and also in journalism, media production and public relations. In the third year of the degree, you will choose to specialise in one or two professional areas choosing courses from journalism, public relations and media production. You will also complete at least five courses from the contextual studies group in one of the following areas: Cinema Studies, Asian Media and Culture, Communication Business and Politics or Literature and Philosophy. You can also choose up to three elective courses from any program at RMIT.

CAREER OUTLOOK

Graduates work in a wide variety of occupations, such as media liaison, media research, corporate and government communications, journalism, television and radio production. Students in the professional communication degree come from many parts of the world, and past graduates are employed in Australia, Asia and Europe.

YOU MAY ALSO BE INTERESTED IN...

- Advertising (page 74)
- Creative writing (page 75)
- Journalism (page 75)
- Marketing (page 68)
- Media (page 76)
- Public relations (page 78)

www.rmit.edu.au/programs/ad016

This practical, industry-focused program allows you to explore your creative potential while gaining valuable skills that equip you to work as a professional writer and/or editor. The program recognises that professional writers and editors need to be versatile and proficient across different writing forms and in print and electronic media. With an emphasis on your own practice, you will study the craft of writing fiction and non-fiction and the fundamentals of effective communication and editing practice. You will also work with text and images, using industry-standard software to develop advanced word processing and design skills for print and web-based products.

As you progress, you can specialise in a particular field of interest or continue working across a range of areas. The focus will then be on developing projects that reflect your interests and goals.

INDUSTRY CONNECTIONS

As a student enrolled in this program you will:

- interact with industry and community when undertaking these activities
- complete activities in real or simulated work contexts or situations

You will be capable of working in a changing and challenging environment, with awareness of emerging writing and publishing trends, practical skills in relevant writing and editing technologies, experience of complex and collaborative projects, and the ability to conduct research.
WHAT YOU WILL STUDY

Year one
Semester one
» Creating content—text and image
» Introduction to editing practice
» Writing fiction—story and structure
» Writing non-fiction—research and readership

Semester two
» Building a strong narrative
» Copyediting and proofreading
» Writing professionally—effective communication

Complete one course
» Archetypes and imagery in contemporary story telling
» Poetry and performance
» Words and pictures—writing for children
» Writing for the print media

Year two
Semester one
» Developing a writing project
» Writing digital content
Complete one course
» Advanced desktop publishing
» Advanced feature writing
» Advanced manuscript editing
» Advanced professional writing
» Magazine writing and editing
» Fiction for young readers and select one course
» University student elective

Semester two
» Working in the industry
» Towards publication
» Writing workshop
Complete one course
» Advanced editing—from commission to production
» Magazine writing and editing
» Advanced feature writing
» Advanced desktop publishing
» Fiction for young readers
» Advanced professional writing

ADDITIONAL COSTS
Once you are enrolled as a student in this program you will need to allow for expenses other than university tuition fees. Additional expenses may relate to the purchase of lecture notes, textbooks, stationery, consumables such as printer paper, fees levied by commercial internet service providers for internet access outside of the university campus, and other relevant costs. You will be required to pay additional fees for field trips or excursions.

ADDITIONAL ENTRY REQUIREMENTS
Please attach to your application:
» A 1000 word sample of fiction writing, factual writing or a combination of both, depending on your area of interest.
» A statement of up to 500 words outlining your interest in professional writing and editing and your intended career path.
You may also wish to attach any written material you think will support your application, i.e. samples of published work or written references.

CAREER OUTLOOK
Graduates gain employment in many areas, including book, magazine and digital publishing. They are also employed in newspaper, online and magazine journalism, web writing, broadcasting, publicity and public relations, scriptwriting, copywriting, administration and project management. Employers include publishers, advertising agencies, the technical, education and scientific industries, government organisations, private consultancies, theatre and community groups. Graduates also work as freelance writers and editors, using the industry networks developed during the program.

PROFESSIONAL RECOGNITION
The program has no formal links with any form of external accreditation. However, it is informed by and connected with industry through the advice and input of the Program Advisory Committee, which was involved in creating the structure of the program and of the courses. The program incorporates all elements of the Australian Institute of Professional Editors ‘Australian Standards for Editing Practice’.

PATHWAYS
Graduates of the Associate Degree in Professional Writing and Editing may apply for exemptions from the following programs:
» Bachelor of Arts (Creative Writing)
» Bachelor of Communication (Journalism)
» Bachelor of Communication (Public Relations)

YOU MAY ALSO BE INTERESTED IN...
» Advertising (page 74)
» Creative writing (page 75)
» Journalism (page 75)
» Marketing (page 68)

COMMUNICATION AND DIGITAL MEDIA
Communication strand
You will learn basic communication models, drawing on social sciences and cultural studies, as well as research methods. You will work with students across the range of applied communication studies.

Contextual studies strand
These courses provide an understanding of the application of media and communication in a broader context, and to complete this aspect of the degree, you must take a minimum of five courses from one of the following fields:
- Asian media and culture
- cinema studies
- politics, economies, communication
- Literature and philosophy.

TEACHING METHODS
Classes are taught in lecture, seminar, tutorial, workshop, studio, and practical sessions. Students sometimes work in large or small groups and sometimes individually. You will have the opportunity to apply the knowledge and skills you gain in class exercises, discussions and assessments.

ASSESSMENT
Assessment is ongoing throughout the semester and may include tests and examinations, essays/reports, class presentations, group projects, research projects, laboratory projects and practical assignments. Assessment is designed to monitor your progress towards learning outcomes, as well as achieve them.

CAREER OUTLOOK
There are many opportunities for public relations practitioners and the range of opportunities is growing, both in Australia and around the world. Public relations graduates work in many areas, including:
- corporate communication
- change management
- internal communication
- issues and crisis management
- public affairs and lobbying
- media relations and publicity
- event management
- fundraising and sponsorship.

YOU MAY ALSO BE INTERESTED IN...
- Creative writing (page 75)
- Journalism (page 75)
- Marketing (page 68)
- Professional communication (page 77)
'My experience at RMIT exposed me to a different world of academia—a fun, more relaxed way of learning that allowed me to explore my own learning abilities.

'The teachers make sure that the quality of the education we get is paramount. They are very approachable and I feel very supported in my studies.

'Courses combine practical and theoretical aspects of the subject area that you choose, opening up the right pathways towards a successful career, and most degrees offer placements as a part of coursework to make sure that you get a chance to apply and test your knowledge in real work situations.

'I am very confident with what I have learnt and am looking forward to moving into a youth work environment.'

Aminath Hasna
Bachelor of Social Science (Youth Work)
Community services and social sciences

An ageing population, new social policies, political tensions, rising consumer expectations, advances in technology: all of these factors are increasing demand for community service and social science professionals.

A range of RMIT qualifications specifically address emerging issues within the community. Work placements, field education and internship opportunities in many of the programs will provide you with valuable hands-on experience and prepare you to enter a diverse and rewarding career.

Choose from programs in:

» criminal justice administration
» global studies
» languages
» psychology—social science

» social work
» translating and interpreting
» youth work.

How will you make a difference?

VIDEO LINK

Meet Bachelor of Arts (Criminal Justice Administration) student Jazzmine Evans and find out why she loved this program.

Scan this code to watch the online video
TEACHING METHODS
Classes are interactive and give you many opportunities to discuss ideas and practice skills. You will participate in class learning activities including: analysis of case studies and scenarios, role plays, group discussions and pair work, and simulations of real-life job assignments. Other activities will include: interactive e-learning, learner directed reading and practice, online and library research, and simulated interpreting activities.

ASSESSMENT
Assessment occurs throughout the program and includes activities such as:
- written work like quizzes, questions and answers, writing assessment reports, reflective journals
- delivery of presentations
- practical demonstrations
- role plays.

ADDITIONAL COSTS
You may be asked to purchase recommended reading/study material, approximately AU$100 — AU$500.

CAREER OUTLOOK
This qualification may enhance your employment/promotion prospects in multilingual community/public service agencies, international organisations and companies.

PROFESSIONAL RECOGNITION
This program is approved by the National Accreditation Authority for Translators and Interpreters (NAATI). Students who successfully complete the program and achieve the level of competency in the units prescribed by NAATI will be recommended to NAATI for Professional Interpreter accreditation.

PATHWAYS
Graduates may be eligible for some exemptions in the following programs:
- Advanced Diploma of Interpreting
- Advanced Diploma of Translating
- Bachelor of Arts (International Studies): up to one and a half semesters.

WHAT YOU WILL STUDY
You will be introduced to the profession of interpreting and led to explore various contextual areas that interpreters work in. You will be trained to analyse, recall and reproduce source language messages into the target language in general settings, applying effective linguistic transfer skills and discourse management strategies. Through classes, workshops and various guided group and individual learning activities, you will practise your interpreting skills, while also gaining an appreciation of professional ethics and industry knowledge that is essential to your future career.
TEACHING METHODS
Classes are interactive and give you many opportunities to discuss ideas and practise skills. You will participate in class learning activities including: analysis of case studies and scenarios, role plays, group discussions and pair work, and simulations of real-life job assignments. Other activities will include: interactive e-learning, learner directed reading and practice, online and library research, and simulated interpreting activities.

ASSESSMENT
Assessment occurs throughout the program and includes activities such as:
- written work like quizzes, questions and answers, writing assessment reports, reflective journals
- delivery of presentations
- practical demonstrations
- role plays.

ADDITIONAL COSTS
You may be required to purchase some prescribed texts/readers, approximately AU$100 – AU$500.

CAREER OUTLOOK
Graduates may work as a freelance service provider and provide interpreting service to public and private sector organisations in Australia or abroad. Some employment conditions, assignments and work roles in Australia require practising interpreters to have NAATI accreditation. The areas professional interpreters work in are varied, including but not limited to health services, education, business, government, media, international relations, legal services, immigration and conferences.

PROFESSIONAL RECOGNITION
This program is approved by the National Accreditation Authority for Translators and Interpreters (NAATI) at the professional level. When you successfully complete the qualification and achieve NAATI required performance levels in the units prescribed by NAATI, you are eligible to be recommended to NAATI for the Professional Interpreter accreditation.

PATHWAYS
Graduates may apply for exemptions for the following:
- Bachelor of Arts (International Studies) (applications will be decided on a case-by-case basis)
- Advanced Diploma of Translating

This translation program trains people with advanced bilingual skills and general knowledge to play a key role in transferring information and culture throughout the world.

Translating, the written transfer of one language into another, has been practised for hundreds of years. Professional translators act as key personnel for government, translating documents crucial to diplomacy.

In multicultural societies, they contribute to the successful social inclusion and health of migrant communities by translating government and community service documents.

The advanced diploma is best suited to candidates who have an advanced level of bilingual proficiency and general knowledge.

RMIT has approval from NAATI to offer a range of languages. These languages are offered on the basis of student demand and upon advice from the Program Advisory Committee.

Before you apply, you are strongly advised to confirm that your language of choice is offered.

INDUSTRY CONNECTIONS
In order to fulfill RMIT’s work-integrated learning policy and NAATI requirements, simulated and/or real job activities are built into the learning activities in the program.

WHAT YOU WILL STUDY
You will be introduced to the profession of translating, and will be provided with opportunities to explore various contextual areas that are relevant to professional translators.

You will be taught skills essential to undertake translating in complex settings, including theoretical approaches, discourse management strategies in various domains, computer assisted translation tools, and professional practice issues.

Classes are interactive and give you many opportunities to discuss ideas and practise skills. You will participate in class learning activities including: analysis of case studies and scenarios, role plays, group discussions and pair work, and simulations of real-life job assignments.

Other activities will include: interactive e-learning, learner-directed reading and practice, online and library research, and simulated translating activities.

ASSESSMENT
Assessment occurs throughout the program and includes activities such as:
- written work like quizzes, questions and answers, writing assessment reports, reflective journals
- delivery of presentations
- practical demonstrations
- role plays.

ADDITIONAL COSTS
You may be required to purchase some prescribed texts/readers, approximately AU$100–AU$500.

CAREER OUTLOOK
Graduates may work as a freelance service provider and provide service to public and private sector organisations in Australia or abroad. Some employment conditions, assignments and work roles in Australia require practising translators to have NAATI accreditation. The areas professional translators work in are varied, including but not limited to community translation, desktop publishing, subtitling, machine translation, literary translation, and website localisation.

PROFESSIONAL RECOGNITION
This program is approved by the National Accreditation Authority for Translators and Interpreters (NAATI) at the professional level. When you successfully complete the qualification and achieve NAATI required performance levels in the units prescribed by NAATI, you are eligible to be recommended to NAATI for the Professional Interpreter accreditation.

PATHWAYS
Graduates may apply for exemptions for the following:
- Bachelor of Arts (International Studies) (applications will be decided on a case-by-case basis)
- Advanced Diploma of Interpreting

Graduates who already have a bachelor’s degree and who have met the entry requirement of the Master of Social Science (Translating and Translating Studies) program will be eligible to apply for an exemption of up to one semester.

YOU MAY ALSO BE INTERESTED IN...
- International studies (page 85)
- Interpreting (advanced diploma) (page 82)
Year three
In third year, you will study four core subjects and three electives. You will be prepared for employment in the criminal justice sector by studying theories about working in organisations, crime prevention, and the ethical practices expected of those who work in the administration of criminal justice.

CAREER OUTLOOK
The career outlook for graduates is outstanding. Graduates have been employed in diverse areas and roles such as Australian Federal Police; Victoria Police; Customs and Border Protection; Victorian Commission for Gaming Regulation; Community Corrections; Department of Justice; Department of Human Services, and the Courts. Opportunities also exist in security management; private security firms; research; prisons administration; prosecutions; child protection; counselling; civil and criminal law firms; administrators; youth justice; dispute settlement; mediation; forensics and with a wide range of other organisations.

You may also be interested in...
- Criminology and psychology (page 84)
- Legal and dispute studies (page 85)
- Psychology (page 86)

WHAT YOU WILL STUDY
You will study 17 core subjects and six electives. The electives will allow you to specialise in a particular field or skill area. Elective specialisations include criminal intelligence, criminal behaviour analysis, drug-related crime, forensic studies, international policing, customs, women and international justice, youth justice, criminal law, principles of evidence, and terrorism.

Year one
In year one, you will study seven core subjects and one elective. You will be introduced to key institutions and concepts in criminal justice, including policing and the correctional system. You will also learn about the uses of technology in crime, crime investigation, cross-cultural communication, and psychology.

Year two
In second year, you will study six core subjects and two electives. You will learn more about theories in crime and offending, the correctional system, public policy and social research. You will also study international human rights and global crime.

CAREER OUTLOOK
The skills and knowledge you gain through study of this cross-disciplinary degree will prepare you for the justice and welfare systems, particularly careers that deal with clients who are vulnerable and at risk. You will be well placed to develop your skills in dealing with clients, interviewing and managing people in various contexts.

Year three
Advanced concepts such as psychological assessment and psychopathology are covered in third year. Forensic Psychology and Criminal Behaviour Analysis are the capstone courses that bring together your learning across the three years.

CAREER OUTLOOK
The skills and knowledge you gain through study of this cross-disciplinary degree will prepare you for the justice and welfare systems, particularly careers that deal with clients who are vulnerable and at risk. You will be well placed to develop your skills in dealing with clients, interviewing and managing people in various contexts.

WHAT YOU WILL STUDY
This innovative degree develops knowledge and skills suited to a wide range of employment opportunities in the justice and human services sectors. The program prepares you to provide high quality services to clients of the criminal justice system, particularly those with mental health issues.

The psychological exploration of the human mind and behaviour is intertwined with the exploration of crime and criminality.

You will develop your emotional and intellectual capacity to succeed in a challenging but rewarding career in the justice and human sectors. Graduates of this program will be better prepared to deal with justice issues at the forefront of organisations such as policing and correctional services, child protection and youth services.

INDUSTRY CONNECTIONS
Developed through an extensive consultative process with a range of relevant industry representatives, this program is recognised by the Australian Psychology Accreditation Council (APAC).

Industry groups and practitioners will be involved in both the delivery and assessment of key components of the program.

PROFESSIONAL RECOGNITION
The psychology major in the Bachelor of Arts (Criminology and Psychology) is fully accredited by the Australian Psychology Accreditation Council (APAC) and is a partial requirement for membership of the Australian Psychological Society (APS).

PATHWAYS
Students who gain entry and successfully complete a fourth year (honours or equivalent) in psychology will have met the basic academic requirement for registration as a probationary psychologist. A further two-year master degree is generally required for registration as a psychologist. Graduates may also be considered for entry in the criminal justice administration honours or master degree.

You may also be interested in...
- Criminal justice administration (page 84)
- Legal and dispute studies (page 85)
- Psychology (page 86)
CAREER OUTLOOK
Graduates are currently employed in senior positions throughout the world in a wide range of institutions that have an international and cross-cultural focus. Graduates have also founded their own non-government organisations and development projects. Graduates are employed in such fields as foreign embassies and consulates, the Department of Foreign Affairs and Trade, international affairs publications, and human rights and fair trade non-government organisations. Opportunities for positions requiring international knowledge and skills are increasing and have created a need for graduates who are highly skilled, interculturally attuned and able to think and act globally/locally, as well as being bilingual.

GLOBAL OPPORTUNITIES
As well as completing individual internships and research projects internationally, you are also able to complete exchange semesters at a range of overseas universities, undertake study tours to destinations such as East Timor, the Philippines, Thailand and Nepal, and participate in interdisciplinary industry-based projects in Vietnam.

PATHWAYS
Graduates of the following programs will be eligible for advanced standing.

- Diploma of Interpreting
- Advanced Diploma of Interpreting
- Advanced Diploma of Translating

Please note that additional requirements apply for graduates of the above programs to articulate into Bachelor of Arts (International Studies).

Graduates may continue their studies in this field at RMIT by undertaking the Bachelor or Arts (International Studies) Honours, Master of Social Science (International Development), Master of Social Science (Translating and Interpreting Studies).

Students wanting to continue with their study are encouraged to apply for Master by research or PhD after successful completion of their bachelor program.

YOU MAY ALSO BE INTERESTED IN...

- Communication design (page 47)
- International business (page 65)
- Interpreting (page 82)
- Translating (page 83)
Graduates of this program work in such fields as administration and research within a legal context, or as human rights and community workers in government and non-government agencies. Some graduates go on to further studies in law, mediation and negotiation.

Employment opportunities are primarily in the paralegal field working in private firms, government departments, corporations, legal aid, council legal offices, tribunals, activist organisations, and community legal services, as dispute resolution professionals and in relevant policy positions.

**YOU MAY ALSO BE INTERESTED IN...**
- Criminal justice administration (page 84)
- Criminology and psychology (page 84)
- International studies (page 85)

**WHAT YOU WILL STUDY**
This degree is based in the social sciences with a comprehensive psychology specialisation. The program comprises 11 psychology courses, nine social science courses and four electives.

- **Year one**
  - Year one includes study of the foundations and principles of psychology, plus social science units that explore environmental studies, economics, social constructionism, philosophy, sociology and politics.

- **Year two**
  - In year two the emphasis shifts from social science to psychology. You will explore biological, developmental, cognitive and social psychology as well as a smaller number of social science courses. In year two students also begin using electives to develop areas of specialisation.

- **Year three**
  - Year three covers advanced psychology courses on Psychological Assessment, the Philosophy of Psychology, Psychopathology and Psychology in Society and Organisations. You will also undertake a 35-day professional work placement.

**CAREER OUTLOOK**
Employment prospects for graduates are excellent. The Bachelor of Social Science (Psychology) is a vocationally oriented degree designed to help students obtain employment in the public, private and community sectors. The degree is especially relevant to those interested in applying their psychological knowledge in fields such as child protection, community-based agencies, human resource management, education, welfare and the health sector.

The degree also provides an academic foundation if you wish to pursue further study for a specialist career in clinical, educational, organisational, developmental or forensic psychology.

**INDUSTRY CONNECTIONS**
Recognised by the Australian Psychological Accreditation Council (APAC), the degree provides opportunities to gain important vocational skills that are transferable across many areas of employment. These skills include communication, policy development, research and management.

A professional work placement allows students to work in human services organisations under the supervision of a qualified psychologist. As well as gaining practical experience, the work placement allows you to develop networks, career opportunities and, for many, employment outcomes in your chosen area of interest.

**PATHWAYS**
Students seeking to qualify as a practising psychologist must apply either for entry to Honours, or an equivalent graduate year of study in psychology.

Upon completion of the fourth year (Honours or equivalent), you will meet the basic academic requirement for registration as a probationary psychologist. To become a qualified psychologist, you must complete an additional two years of training, generally in the form of a Master of Psychology.

**YOU MAY ALSO BE INTERESTED IN...**
- Criminology and psychology (page 84)
- Psychology (this page)
- Social work (page 87)
CAREER OUTLOOK

Employment prospects for graduates are excellent. With a working knowledge of the fields of social science, psychology and social work, graduates are eligible to apply for a wide range of human services or community jobs.

Some of the practice areas in which graduates may work include community development programs; community dispute mediation; community health centres; community services; education ancillary services, including vocational guidance and student counselling and support; employment placement and case management; Equal Employment Opportunity program development; immigration advice and referral centres; federal and state government departments (Centrelink, Department of Human Services); financial counselling; hospitals; migrant resource centres; human resource management; industrial relations; local government; neighbourhood houses; policy and advocacy work; sexual assault centres; trade unions; work design and evaluation; and youth and family services.

PROFESSIONAL RECOGNITION

The Bachelor of Social Work is accredited by the Australian Association of Social Workers (AASW). The Bachelor of Social Science (Psychology) is accredited by the Australian Psychological Society (APS).

YOU MAY ALSO BE INTERESTED IN...

- Psychology (social science) (page 86)
- Social work (this page)

SOCIAL WORK

Bachelor of Social Work

<table>
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<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<th>2014* ANNUAL FEE (AUS)</th>
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<td>$20160</td>
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www.rmit.edu.au/programs/bp026

The Bachelor of Social Work prepares you to work in pursuit of social justice and human rights. As an emerging social work professional, eligible for membership of the Australian Association of Social Workers, you will develop your ability to practise in ethical, competent, critical and innovative ways.

You are able to undertake the Bachelor of Social Work combined with psychology—see the combined Bachelor of Social Work/Bachelor of Social Science (Psychology) double degree on page 86.

WHAT YOU WILL STUDY

You will undertake four 12-credit-point courses or the equivalent in each semester. Many courses, particularly in the first year, are taken in common with students from psychology, international studies, youth work and policy and research.

The program comprises five streams:

- A series of foundational courses in the social sciences towards understanding social, personal and family lives, including sociology, politics, social theory, social policy and economics and psychology.
- A sequence of social work theory and practice courses, which span the four years and which share an explicit set of values and theoretical approaches related to social justice. These cover a broad range of methods of social work theory and practice.
- Field education organised in two 36-credit-point courses undertaken in the second semesters of third and fourth years. Students are placed in community or human services organisations for supervised practice. There are some opportunities for interstate and international placements in your final year.
- Elective courses drawn from social work policy and practice options and from a wide range of electives. These enable students to pursue their chosen areas of interest in some depth.
- Courses in research, program evaluation and policy development.

Youth workers have roles in local governments, health services, youth refuges and housing programs. They are also employed in alcohol and other drug agencies, major welfare services, youth justice settings, school support programs, educational institutions, and national and international organisations.

WHAT YOU WILL STUDY

The degree provides:

- Knowledge and skills related to the role and status of young people as a basis for youth work practice, advocacy, planning, management and policy decisions.
- Knowledge and skills in working with young people in face-to-face situations.
- Knowledge and skills in youth work policy, planning and management.

Current trends in youth work are used as a basis for investigation of the social, psychological, biological and legal status of youth. You will focus on young people’s role in society, in the family, at work and at play.

CAREER OUTLOOK

Youth workers are everywhere, both in Australia and overseas. Graduates may work in:

- adolescent and youth health services
- youth refuge and housing programs
- local government, e.g. as a youth development officer in youth resource centres, youth health services, community health centres, mental health, drug and alcohol agencies
- youth justice and crisis centres
- peak non-government organisations, e.g. Youth Affairs Council of Victoria
- culturally and linguistically diverse communities and migrant resource centres
- key welfare services, e.g. Salvation Army, Berry Street, Anglicare
- the Department of Human Services, e.g. as a child protection officer
- school support programs
- disability services
- research, e.g. with the Brotherhood of St Lawrence
- universities, vocational education and training agencies and other agencies of education and training.

Graduates have also taken their careers overseas by working with agencies such as Oxfam.

YOU MAY ALSO BE INTERESTED IN...

- Legal and dispute studies (page 85)
- Social work (page 87)
'The Bachelor of Software Engineering is a great degree. It has helped me identify my strengths and weaknesses and to realise my potential.

‘RMIT was my choice because it has a world-class reputation and provides the chance to gain industry experience during the degree. I work on industry projects as part of my degree and I will have opportunities to gain industry experience as an intern later on. This will help ensure I’m well prepared for work when I graduate.

‘My studies have introduced me to the technical aspects of software engineering, such as the different processes that go into developing a software package. I’ve also developed essential personal skills by working in groups, including how to work with people who have different mindsets and goals.

‘I really enjoyed my programming subjects. The lecturer was very supportive, and, as a result, I hope to work as a programmer. My dream job would be working as a software tester.’

Wriddhi Banerjee
Bachelor of Software Engineering
Computing and information technology

RMIT has been closely connected with the IT industry for many years, setting and predicting trends and providing students with practical learning opportunities.

RMIT’s learning facilities for computing, IT and games and graphics programming are some of the newest and most advanced in Australia. The programs offer expert teaching and a student-focused learning environment.

RMIT’s computer science and IT programs are developed in collaboration with major computing and IT companies, so you will gain the skills and knowledge that employers truly value. RMIT’s learning facilities for computing, IT, games and graphics programming are some of the newest and most advanced in Australia.

You can choose to specialise in:

- business IT
- computer science
- embedded systems
- database systems
- games and graphics programming
- information technology
- network computing
- security
- software engineering
- system administration
- web systems.

Advance the future of technology.

VIDEO LINK

Meet Bachelor of Information Technology (Games and Graphics Programming) student Thomas Harris.

Scan this code to watch the online video
WHAT YOU WILL STUDY

You will learn a broad spectrum of technical skills in computing and business information technology, with emphasis on website design, software development, database design, operating systems and networking. You will study a combination of core courses and electives:
- four common core courses
- 16 elective courses chosen from the following areas:
  - databases
  - networking
  - programming
  - project management
  - website development.

CAREER OUTLOOK

Career paths in information technology and related industries are quite varied. Excellent opportunities exist to advance and/or specialise in a wide range of technologies.

Due to the great rate of change in the information technology industry, graduates should be prepared to continue training throughout their career. Successful graduates have the opportunity to work in the computing and IT arena with a focus on: IT project management, software development, database development, networking and web development.

This program also offers graduates a pathway to more specialised studies.

PROFESSIONAL RECOGNITION

While enrolled in the program, you may become a student member of the Australian Computer Society (ACS). The ACS has reciprocal membership agreements with computer societies in New Zealand, USA, Canada, UK, India, Pakistan, Sri Lanka, South Africa, Malaysia and Singapore. In addition, graduates can apply for ACS Certified Professional (CP) status thereby gaining global recognition as an ICT professional.

GLOBAL OPPORTUNITIES

You can gain credit points towards your studies by taking part in an international exchange program for either one semester or one year with an institution that has an exchange agreement with RMIT. A limited number of exchange scholarships are available each year.

YOU MAY ALSO BE INTERESTED IN...
- Business information systems (this page)
- Business (page 61)
- Logistics and supply chain management (page 67)
Year two
You will study the final compulsory common business core course, and focus on your major by completing seven specialised business information systems courses including studies in networking, business IT development, business databases, e-business systems, and business analysis and design.

Year three
The third year involves a compulsory work-integrated learning (WIL) component in the form of a cooperative education placement.

Year four
In the final year, you will complete courses in your major area of study, flexible courses and capstone courses that consolidate your theoretical learning from the first two years and your discipline-related supervised work placement in the Business Design Project. The Business Design Project courses are your chance to bring together what you have learned during your studies. You will need to produce a brief that outlines a specific business issue (current or potential), and then reflect on theory, test creative solutions and finally communicate the issue you have addressed and demonstrate your ability to analyse and problem-solve skills in a coherent manner.

Flexible courses may be chosen from a business or other discipline minor, or from general student electives. Business minors include: accountancy, economics, economics and finance, entrepreneurship, finance, human resource management, international business, logistics and supply chain management, management and marketing.

Other minors can be selected from many disciplines offered across RMIT. For more information about the program structure and minors, please visit www.rmit.edu.au/bus/academicprograms.

CAREER OUTLOOK
Graduates can be employed across many industries. IT companies will choose graduates because of the combination of their IT skills and business acumen. Recent employers of graduates include KPMG, Accenture, AAPT, SAP, Telstra, GE Financial Services, Microsoft, IBM, Hewlett Packard, NAB, ANZ, BHP Petroleum and various federal and state government agencies.

Some typical positions include business analyst, internet service provider, database designer and administrator, systems operations manager, systems analyst, IT consultant, programmer/analist, information centre manager, user liaison officer, computer marketing executive, business consultant and information systems manager.

PROFESSIONAL RECOGNITION
Subject to undertaking an approved pattern of work, the degree has been accredited at professional membership level by the Australian Computer Society (ACS). The ACS has reciprocal membership agreements with computer societies in New Zealand, USA, Canada, UK, India, Pakistan, Sri Lanka, South Africa, Malaysia and Singapore. In addition, graduates can apply for ACS Certified Professional (CP) status, thereby gaining global recognition as an ICT professional.

GLOBAL OPPORTUNITIES
You can gain credit points towards your studies by doing a two-week study tour, an exchange for one semester or one year, or an international work placement. Study tours depart during the Australian summer or winter vacations and can be credited towards the degree. Study tour destinations include Canada, China, France, Germany, Thailand, USA and Vietnam.

www.rmit.edu.au/bus/international
This program is also offered at RMIT Vietnam.

PATHWAYS
Graduates of the following programs will be eligible to apply for exemptions into the Bachelor of Business (Business Information Systems) with advanced standing as outlined below, subject to meeting the degree program’s entry requirements.

» Associate Degree in Business: 132 credit points
» Advanced Diploma of Accounting: 96 credit points
» Advanced Diploma of International Business: 108 credit points
» Diploma of Commerce: 96 credit points

YOU MAY ALSO BE INTERESTED IN...

» Information technology (page 90)

You can study business information systems as a major or minor sequence in any Bachelor of Business three-year degree, or as a minor sequence in any Bachelor of Business four-year degree.

INDUSTRY CONNECTIONS
You will undertake a project in your last semester that simulates working in industry. In this project you will apply your skills in software application development.

WHAT YOU WILL STUDY
You can study the Bachelor of Computer Science without any specialisation or you can choose a major study in one of these six areas after the first year:

Application programming

Application programming covers theory and the practice of coding solutions, as well as exploring a wide range of situations using software development skills.

Computational mathematics

You will combine computer science knowledge with studies in mathematics. This degree enables you to work in areas of computing where complex knowledge of mathematical modelling is automated and analysed.

Embedded systems

This major focuses on the study of microprocessors and digital design, as well as real-time systems. It equips you for programming hardware devices, such as wearable computers and health monitoring systems.
Games, graphics and digital media
You can chart the world of interactive media, digital media, imaging and animation and 3D graphics. Studying and building the tools needed for modern visualisation, you will gain skills in games development, as well as business and science.

Security
Security concentrates on the mathematical basis of network security, including cryptography, coding for reliable communication, and algebra for information security.

Web systems
The web systems degree offers in-depth study of web development and web database applications, e-commerce and enterprise systems, web security and web document mark-up languages, all with a practical solutions-based approach.

Electives option
You may study a combination of additional computer science electives.

Honours
Upon successful completion of the degree, you may apply for admission to the honours degree. This one year full-time degree consists of a major research project with core and elective lecture courses.

CAREER OUTLOOK
Graduates are in a strong position to gain employment as computing professionals in a number of fields including (but not limited to): software development; system architecture; business and system analysis; database development and administration; network and system administration; testing and QA; and project management.

Graduates typically work for commercial organisations, software development companies, government departments and large computer organisations.

PROFESSIONAL RECOGNITION
The Bachelor of Computer Science is accredited with the Australian Computer Society (ACS), which has reciprocal membership agreements worldwide. Graduates can apply for ACS Certified Professional status for global recognition.

YOU MAY ALSO BE INTERESTED IN...
- Games and graphics programming (page 93)
- Information technology (page 93)
- Software engineering (page 95)

COMPUTER AND NETWORK ENGINEERING/COMPUTER SCIENCE
Bachelor of Engineering (Computer and Network Engineering)/Bachelor of Computer Science

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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<td>5 years</td>
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www.rmit.edu.au/programs/bp002

Please refer to page 116 for program details.

COMPUTING STUDIES (Bachelor of Technology Studies)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<th>2014* ANNUAL FEE (AUS)</th>
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<tr>
<td>BP232</td>
<td>3 years</td>
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Research indicates that many employers are looking for graduates with computing skills as well as knowledge and skills across other disciplines, such as business, communications and commerce.

This program allows you to build a solid foundation in programming and IT fundamentals, while also offering you the flexibility to engage with topics outside the field of IT. Essentially, you build your own degree.

The degree comprises of a minimum of 50% computer science and IT content, with the remainder a combination of a non-IT area and a wide choice of electives.

Some popular non-IT fields that can be combined with IT studies include communication, business, entrepreneurship, commerce, education, and design.

INDUSTRY CONNECTIONS
You will undertake a project in your last semester that simulates working in industry. In this project you will apply your skills in software application development.

WHAT YOU WILL STUDY
The program includes core courses in programming, database systems, software engineering, web programming and professional computing practice.

In the second and third years you will study four courses from a minor study area: accounting and law, applied communication, economics, finance; and marketing, entrepreneurship, logistics, management and statistics.

The remainder of your courses will consist of a wide range of IT electives, advanced IT electives and student electives.

Honours
Upon successful completion of the degree, suitably qualified applicants may apply for admission to the computer science honours degree.

CAREER OUTLOOK
Employment opportunities are as flexible and broad as the degree itself. By studying a wide range of topics, both in computing and in other fields, graduates can pursue careers in pure IT roles, as well as in other areas that require IT experience, including marketing, advertising, accounting and health administration.

Graduates often become IT professionals in fields such as: business analysis, helpdesk and desktop support, network/systems administration, technical writing and desktop publishing, testing, QA and web development.

This is a degree of choice for those who want a professional IT degree that does not rely on software and IT development.

PROFESSIONAL RECOGNITION
Accredited to the professional level—the highest possible—with the Australian Computer Society (ACS), which has reciprocal membership agreements worldwide. Graduates can apply for ACS Certified Professional status for global recognition.

PATHWAYS
Graduates of the Associate Degree in Applied Science (Information Technology) who achieve a grade point average (GPA) of 2.0 or greater (equivalent to 192 credit points) are guaranteed entry into the third year of:
- Bachelor of Technology (Computing Studies)

Graduates with a GPA of less than 2.0 can apply, and if successful in gaining a place, may be eligible for exemptions.

YOU MAY ALSO BE INTERESTED IN...
- Information technology (page 93)
WHAT YOU WILL STUDY
You will study eight core and elective courses per year, selected from a wide range of programming and design electives. Studies are set in the context of a broader computer science and software engineering framework, applicable to the IT industry in general.

You will undertake projects in the games studio in the first year and interactive digital media in the third year, where classes are delivered largely in studio mode. In the second and third years you will specialise in your area of interest.

A key result of your study will be a professionally produced game to industry standards. Through the process of producing this game, you learn about the games industry first hand, as the games studio environment replicates industry conditions through both the specially designed computer labs and the team interaction with students from RMIT’s digital art and games graphics design programs.

Honours
Upon successful completion of the degree, you may apply for admission to the computer science honours degree.

CAREER OUTLOOK
Graduates will typically work in the games and computer graphics industries or, more broadly, the general IT industry.

Upon completion of this degree, you will have acquired aesthetic and technical abilities in art, design and programming. This provides entry into industry as animators, 3D visualisers and digital artists. This provides entry into industry as animators, 3D visualisers and digital artists.

YOU MAY ALSO BE INTERESTED IN...
» Computer science (page 91)
» Information technology (page 93)
WHAT YOU WILL STUDY
The Bachelor of Information Technology degree includes the following major study options:

Application programming
Includes the practice of coding solutions and studies in a wide range of industry-relevant problems using advanced software development skills.

Business applications
Exposes you to specific IT applications relevant to the business world, with courses including: business analysis, computerised accounting systems, usability analysis, decision support systems and computer-based audit systems.

Multimedia design
Focuses your IT skills on the creative world of web and time-based media, narrative for multimedia, 3D imaging software, animation techniques, multimedia authoring and web 3D and media technologies.

Network programming
Networks are the fundamental link between IT systems. You will learn about network security, development of mobile applications, practical broadcasting across networks, and solutions programming to network-driven problems.

System administration
Covers a range of industry-relevant skills, including elements of Cisco certification, Windows and Unix administration, Oracle database administration, and Open Systems-based web systems administration.

Web systems
In-depth study of web development and web database applications, e-commerce and enterprise systems, web security and web document mark-up languages, all with a practical solutions-based approach.

Year one
Introductory programming, introductory IT, introduction to computer systems, mathematics, programming, web programming, database concepts, and software engineering fundamentals.

Year two
Data communication and net-centric computing, programming, professional computing practice, security in computing and IT. You will begin your specialisation courses and your minor stream electives.

Year three
You will complete your specialisation and minor stream electives. The final year projects are undertaken on-campus, administered by the virtual company Your Software. Almost all projects are group projects and are done in conjunction with postgraduate students. A minimum GPA may be required to undertake a project.

Honours
Upon successful completion of the degree, you may apply for admission to the computer science honours degree.

CAREER OUTLOOK
Graduates work in a wide variety of roles, selecting and deploying software products for commercial organisations, software development companies, government departments and large computer organisations. They create and manage business applications, websites, systems and environments.

Graduates typically work for commercial organisations, software development companies, government departments and large computer organisations, as well as diverse industries including retail, health and tourism.

PROFESSIONAL RECOGNITION
The Bachelor of Information Technology is accredited with the Australian Computer Society (ACS), which has reciprocal membership agreements worldwide. Graduates can apply for ACS Certified Professional status for global recognition.

PATHWAYS
Graduates of the Associate Degree in Information Technology who achieve a grade point average (GPA) of 2.0 or greater (equivalent to 192 credit points) are guaranteed entry into the third year of:

» Bachelor of Information Technology

Graduates with a GPA of less than 2.0 can apply, and if successful in gaining a place, may be eligible for exemptions.

YOU MAY ALSO BE INTERESTED IN...

» Computer science (page 91)
» Computing studies (page 92)
» Database systems (page 92)
» Games and graphics programming (page 93)
» Network computing (page 90)

INFORMATION TECHNOLOGY
Associate Degree in Information Technology

<table>
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<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<th>2014* ANNUAL FEE (AUD)</th>
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<td>2 years</td>
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www.rmit.edu.au/programs/ad006

The Associate Degree in Information Technology develops the knowledge and technical skills essential for employment in the information technology industry.

You will be able to pursue a career in the areas of system administration, networking, technical support, computer programming, web development or database administration.

You will be required to solve hardware and software problems, and work on projects that require you to report results qualitatively, quantitatively, graphically, electronically and textually.

You will be exposed to learning activities and projects that require you to work in teams and critically engage with aspects of team development and conflict resolution.

WHAT YOU WILL STUDY
This program provides you with practical, industry-current information technology courses. Many of the classes are taught in computer laboratories with a workshop approach to studies. This approach means that graduates are well regarded in the workplace and/or ready to complete the bachelor degree program in the equivalent area.

You will be introduced to the computer field through a blend of theory and hands-on practical courses that develop a broad-based range of skills in:

» computer hardware
» databases
» human/computer interaction
» networking
» operating systems administration
» programming
» web computing.

As part of your studies you will complete the vocational training for the Cisco Certified Networking Associate certificate and also the training required for the CompTIA A+ certification, Industry Recognised Employable Skills.

CAREER OUTLOOK
This qualification provides the skills and knowledge necessary to successfully manage IT operations, particularly in a small to medium business. Graduates are prepared for a career specialising in networking, software development or IT security for small and medium enterprises (SMEs):

» network specialists
» network operations analyst
» network manager
» systems administrator
» systems engineer/management
» client server administrator.

PROFESSIONAL RECOGNITION
Graduates of the Associate Degree in Information Technology will be eligible for membership of the Australian Computer Society at the Provisional Associate (AACS Prov) grade.

PATHWAYS
Graduates of the Associate Degree in Information Technology who achieve a grade point average (GPA) of 2.0 or greater (equivalent to 192 credit points) are guaranteed entry into the third year of:

» Bachelor of Information Technology
» Bachelor of Technology (Computing Studies)

Graduates with a GPA of less than 2.0 can apply, and if successful in gaining a place, may be eligible for exemptions.

YOU MAY ALSO BE INTERESTED IN...

» Computer science (page 91)
» Computing studies (page 92)
» Information technology (degree) (page 93)
SOFTWARE ENGINEERING

Bachelor of Software Engineering

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<td>4 years</td>
<td>$27,840</td>
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www.rmit.edu.au/programs/bp096

Software engineers apply computer science, engineering and mathematics to design, develop and test software for a range of applications, systems and computer networks. For example, they might develop programs that do payroll and recordkeeping, or develop an intranet or an application for iPhone or iPad, and so on.

Software engineering focuses on software development, but goes beyond programming to also assess and meet customer needs, as well as designing and testing software. Developing software solutions often involves assembling extensive amounts of code into working applications, as well as updating and fixing problems in existing software.

INDUSTRY CONNECTIONS

There is a compulsory internship program in year three. This experience proves especially useful when returning to complete the final year project. Many businesses in the IT industry provide internships to third-year Bachelor of Software Engineering students.

The internship year will provide you with an opportunity to build on and apply your learning within a work environment.

WHAT YOU WILL STUDY

You will learn to develop and manage large, quality-measured software systems, studying areas such as analysis and design, coding, testing, deployment and project management. You will develop an understanding of software quality and reliability through modern methodology.

Year one and most of year two are common to the computer science degree.

Honours

Upon successful completion of the degree, you may apply for admission to the computer science honours degree.

CAREER OUTLOOK

As everyday life becomes more dependent on computers and computer systems, the need for highly skilled software engineers is growing rapidly and presents almost limitless opportunities for qualified graduates.

CNN/Money Magazine rated software engineering as the number one, best job for salary and opportunities.

Software engineering graduates gain employment as software developers and testers, software architects and designers, team leaders and project managers, and executive-level positions in software development projects.

PROFESSIONAL RECOGNITION

Graduates of the Bachelor of Software Engineering are accredited with the Australian Computer Society (ACS), which has reciprocal membership agreements worldwide. Graduates can apply for ACS Certified Professional status for global recognition.

YOU MAY ALSO BE INTERESTED IN...

» Computer science (page 91)
» Information technology (page 93)

CAMPUS LEGEND: C - CITY B - BRUNSWICK D - BUNDOORA PC - POINT COOK
‘RMIT has an extensive Physical Education (PE) program with various electives, and is the only teaching degree that offers teaching rounds in all four years of the program, as well as experience in both primary and secondary schools. ‘I felt extremely well prepared for teaching, as I had the chance to experience various school situations and settings while studying, and now use that experience when teaching.’

Trent Carlson
Bachelor of Applied Science (Physical Education)
Education and training

An RMIT qualification will equip you with the knowledge, skills and confidence to create a fulfilling career within this increasingly diverse profession. Teacher education includes practical classroom experience in teaching early childhood, primary and secondary students in government and independent schools, where you will involve yourself in all aspects of the teaching cycle.

Education and training students have completed professional placements in Denmark, New Zealand, Hong Kong, the Cook Islands and Thailand.

You can choose from:

» career development
» English as a second language
» further education
» teacher education
» training and assessment.

Leave a lasting legacy for your students.

VIDEO LINK

Sarah Daff is studying a Bachelor of Applied Science (Physical Education) and undertaking numerous placements, giving her hands-on work experience.

Scan this code to watch the online video.
ASSOCIATE DEGREE, BACHELOR DEGREE AND DOUBLE DEGREE

EDUCATION (EARLY CHILDHOOD)

Bachelor of Education (Early Childhood Education)

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<tr>
<th>RMIT CODE</th>
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<th>2014 ANNUAL FEE (AUS)</th>
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<tr>
<td>BP260</td>
<td>4 years</td>
<td>$20,160</td>
<td>$21,120</td>
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www.rmit.edu.au/programs/bp260

Early childhood years are the most critical in terms of development and play a vital part in assisting the next generation to grow.

Early childhood education in Australia is in an exciting phase, with new initiatives and diverse services emerging. Graduates are qualified to teach in all early childhood settings both within Australia and overseas.

INDUSTRY CONNECTIONS

Supervised placements in early childhood settings are completed in the second, third and fourth years of the degree. The degree includes professional experiences working with children from birth to two years, and with children from three to five years in a range of contexts.

WHAT YOU WILL STUDY

You will learn how to plan for the education of children from birth to eight years in a range of early childhood settings. You will be equipped to assess children and link this with programming and planning, based on current early childhood philosophies that draw on both Australian and international research in the field.

The program will focus on the indoor and outdoor environments. You will develop professional relationships with staff, parents, children and the broader community in which you are working in order to build communities of practice.

CAREER OUTLOOK

You can work as a teacher or director in a variety of settings, including childcare, kindergarten, pre-prep and integrated services. Management opportunities exist in family day care schemes, government support services and in the private sector. Skilled early childhood teachers are also much sought after in the international school network.

The early childhood field also offers membership, work and networking possibilities in a range of peak organisations, ranging from publications to projects and consultations.

PROFESSIONAL RECOGNITION

All early childhood qualifications at RMIT are accredited by the qualifications committee of Early Childhood Australia Inc. (Victorian Branch), which advises the accrediting bodies of the Department of Human Services and the Department of Education and Early Childhood Development.

EDUCATION (PRIMARY)

Bachelor of Education

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<tr>
<th>RMIT CODE</th>
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<td>4 years</td>
<td>$20,160</td>
<td>$21,120</td>
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www.rmit.edu.au/programs/bp046

The RMIT Bachelor of Education prepares primary teachers for the demands of twenty-first century learning and teaching. It combines hands-on experiences with leading research and will engage you in a wide variety of directly relevant, professional tasks.

While preparing students as generalist primary educators, the degree also offers opportunities to gain expertise in areas such as early childhood, the arts, middle years and physical education. The early childhood stream leads to registration as a four-year trained early childhood and primary school teacher.

WHAT YOU WILL STUDY

The degree consists of five components:

- **Professional studies** provide you with knowledge and an understanding of professional responsibilities and standards in the work of educators.
- **Educational studies** provide you with knowledge and an understanding of historical, theoretical and philosophical debates that underpin decision making and inform educational change.
- **Essential learnings** provide you with essential pedagogy and content knowledge for literacy, numeracy, science and technology, health and physical education, the arts, and humanities.
- **Professional practice** offers experience in the field in a variety of settings, with the focus being to link theory with practical areas of the profession.

In addition you are required to study four elective courses throughout your program, giving you the opportunity to gain expertise in early childhood education, the arts, middle years, and physical education, or areas of interest.

CAREER OUTLOOK

Graduates are sought after in the state, independent and catholic education sectors in both metropolitan and rural schools.

Employers include:

- Department of Education and Early Childhood Development (Victoria)
- Catholic Education Office
- Independent Schools Association
- early childhood centres
- cultural organisations
- professional associations
- government and private industry
- community service organisations.

Graduates are not restricted to working in traditional educational settings. You will have the skills, knowledge and experience to work in diverse environments in which people are the currency of the core business.

EDUCATION (PRIMARY AND ARTS EXPERTISE)

Bachelor of Education

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<th>RMIT CODE</th>
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www.rmit.edu.au/programs/bp258

Highly trained and skilled educators with globally transferrable qualifications are always in demand. RMIT is renowned for teacher education and it is how we link theory with practice that makes us different.

The RMIT Bachelor of Education prepares primary teachers for the demands of twenty-first century learning and teaching. It combines hands-on experiences with leading research and engages students in a wide variety of directly relevant, professional tasks.

With additional art and design electives embedded in the degree, education at RMIT’s Brunswick campus enables you to draw upon the University’s expertise across the Melbourne City campus.

INDUSTRY CONNECTIONS

Students complete professional placements in a broad range of educational settings.

WHAT YOU WILL STUDY

The Bachelor of Education provides qualification in primary education, with a specialisation in the arts or other areas.

The degree consists of five components:

- **Professional studies** provide you with knowledge and an understanding of professional responsibilities and standards in the work of educators.
- **Educational studies** provide you with knowledge and an understanding of historical, theoretical and philosophical debates that underpin decision making and inform educational change.
- **Essential learnings** provide you with essential pedagogy and content knowledge for literacy, numeracy, science and technology, health and physical education, the arts, and humanities.
- **Professional practice** offers experience in the field in a variety of settings, with the focus being to link theory with practical areas of the profession.

Electives for expertise are early childhood education, arts, middle years, and physical education.
CAREER OUTLOOK
Graduates are not restricted to working in traditional educational settings. They have the skills, knowledge and experience to also work in private enterprise, government agencies and community service organisations.

PROFESSIONAL RECOGNITION
The program is accredited by the Victorian Institute of Education. It is possible that graduates will be eligible to apply to other Australian authorities.

GLOBAL OPPORTUNITIES
Students have opportunities to study abroad. For example, some students have completed professional placements in Mumbai and others are involved in student exchange programs with international universities.

EDUCATION/DISABILITY (PRIMARY AND SPECIAL EDUCATION)
Bachelor of Education/Bachelor of Applied Science (Disability)

CAMPUS
POINT COOK

PROGRAMS

www.rmit.edu.au/programs/bp249

This program prepares you for a career as a specialist physical education teacher.

Coaching, health and fitness promotion and sport education for school and community based groups might be just some of your responsibilities.

You will work in government and independent schools, and have the opportunity to teach students with disabilities.

You will gain understanding of:
- the exercise sciences and their influence and effects on human performance
- the professional role of physical educators
- the contribution educators make to school and community needs.

You will also gain a second teaching method, which may include biology, health or maths.

You will be exposed to a broad study of exercise sciences (anatomy, physiology, exercise physiology, biomechanics, kinesiology, motor learning), sport and physical activity, and their application to the teaching of physical education and sport in schools.

INDUSTRY CONNECTIONS
You will complete a school-based placement in each semester of the program, culminating in an eight week block placement in the final semester of fourth year.

These sequential placements allow you to put theory into practice, and to develop your teaching skills over the duration of the program. You will leave the program fully prepared to commence your teaching career.

WHAT YOU WILL STUDY
In addition to the four key components of the Bachelor of Education, there are also two major study themes in this degree: disability studies, and professional practice in disability.

You will undertake practical placements in educational settings and community facilities that offer educational, vocational or recreational services for people with disabilities.

PHYSICAL EDUCATION
Bachelor of Applied Science (Physical Education)

CAMPUS
POINT COOK

PROGRAMS

www.rmit.edu.au/programs/bp041

This program prepares you for a career as a specialist physical education teacher.

Coaching, health and fitness promotion and sport education for school and community based groups might be just some of your responsibilities.

You will teach primary and secondary students in government and independent schools, and have the opportunity to teach students with disabilities.

You will gain understanding of:
- the exercise sciences and their influence and effects on human performance
- the professional role of physical educators
- the contribution educators make to school and community needs.

You will also gain a second teaching method, which may include biology, health or maths.

You will be exposed to a broad study of exercise sciences (anatomy, physiology, exercise physiology, biomechanics, kinesiology, motor learning), sport and physical activity, and their application to the teaching of physical education and sport in schools.

INDUSTRY CONNECTIONS
You will complete a school-based placement in each semester of the program, culminating in an eight week block placement in the final semester of fourth year.

These sequential placements allow you to put theory into practice, and to develop your teaching skills over the duration of the program. You will leave the program fully prepared to commence your teaching career.

WHAT YOU WILL STUDY
In each year you will undertake studies in the methods of teaching physical and sport education. You will also teach in schools in each semester of the degree. Across the four years you will experience practical classes in a range of sports and activities with an emphasis on how to teach these activities in school and community settings. These classes enable you to meet practical requirements for accreditation as a teacher with the Victorian Institute of Teaching.

YOU MAY ALSO BE INTERESTED IN...
- Biomedical science (page 141)
- Exercise and sport science (page 142)
‘I always enjoyed chemistry and maths. When I was in Year 12 and looking for a way to combine them both into a career, I found the chemical engineering degree. It allows you to work in a range of exciting fields, such as water treatment, environment, oil and gas, minerals, food and much more. You know your job will never get boring!

‘In my third year, I spent six months on exchange at DHBW Mannheim University in Germany. I’m also the President of the Association of Chemical Engineering Students (ACES) and the RMIT student representative for the Joint Venture Chemical Engineering Committee (JVCEC). Being involved in a club or taking a leadership role has added a lot of value to my university experience.’

Amel Dzaferovic
Bachelor of Engineering (Chemical Engineering)/Bachelor of Business (Management)
Engineering

RMIT is recognised internationally for expertise and leadership in engineering. The University was awarded the 2013 QS 5 out of 5 star rating for excellence in Engineering and Technology, and, as part of the 2012 Excellence in Research Australia (ERA) review, RMIT was rated ‘above world standard’ in all areas of engineering research.

An emphasis on hands-on experience means lots of practical classes to ensure you have the skills to meet industry needs. As well as completing 12 weeks work experience, engineering students undertake industry sponsored projects that provide an insight into industry before graduation.

If you are a graduate wishing to advance your career in engineering, RMIT has the facilities and industry connections to get you ahead.

The University collaborates with industry and, through the RMIT International Industry Experience and Research Program (RIIERP), engineering students may have the opportunity to undertake a work experience placement in Europe, Asia or USA with organisations such as Boeing, Siemens, BMW, Rolls-Royce and Cisco.

Where will engineering take you?

VIDEO LINK

RMIT’s award-winning Professor Aleks Subic developed Australia’s first hydrogen racing car and opens research opportunities for students with companies like Audi.

Scan this code to watch the online video
Year two
During second year you will focus more on the design of roads, drains, sewers, and concrete/steel structures. Complementary studies in areas such as hydrology and the mechanics of structures, fluids, site investigation and soils (including laboratory testing) provide you with a well-rounded education across a broad spectrum of civil and structural topics.

CAREER OUTLOOK
Graduates may work in the public or private sector in positions such as: laboratory technician, research assistant, construction supervisor or CAD draftsman working under the supervision of a professional engineer.

Many Melbourne consulting organisations visit RMIT to provide seminars about their operations and advise students to contact them about job prospects. Companies who have visited to date include GHD, SKM, Kingston City Council and a variety of civil contracting companies.

PROFESSIONAL RECOGNITION
Upon completion of the program, graduates are eligible to apply for membership of Engineers Australia as an engineering officer. www.engineersaustralia.org.au

PATHWAYS
Graduates who achieve a grade point average (GPA) of 2.0 or greater are eligible to apply for exemptions of up to two years from the Bachelor of Engineering (Civil and Infrastructure).

YOU MAY ALSO BE INTERESTED IN...
» Civil and infrastructure engineering (page 113)

COMPUTER SYSTEMS ENGINEERING
Advanced Diploma of Computer Systems Engineering

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 TOTAL FEE (AUS)</th>
<th>2014* TOTAL FEE (AUS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6110</td>
<td>2 years</td>
<td>$31 250</td>
<td>$32 750</td>
</tr>
</tbody>
</table>

www.rmit.edu.au/programs/c6110

Computer systems engineers work with personal computers (PCs) and computer networks in positions such as technical officers or service supervisors.

The Advanced Diploma of Computer Systems Engineering gives you a blend of practical experience with computer hardware and software applications and a strong theoretical foundation. You will achieve competencies in assembly, installation, testing and maintenance of office personal computers and computer networks.

This program provides the opportunity to gain knowledge and skills towards numerous industry certifications, e.g. Cisco’s CCNA (Exploration), CCNA Security, IT Essentials, CWNA, and Microsoft’s MCSA and MCEA, which are highly valued by employers. It distinguishes itself from similar IT courses by putting emphasis on the underlying hardware platforms and engineering aspects of computer systems and networks. It also offers a specialised articulation stream if you decide to undertake a degree.

The program is based on the nationally accredited Electrotechnology Training Package and includes a number of core and elective competency units in the major study areas.

INDUSTRY CONNECTIONS
RMIT is committed to providing you with an education that strongly links formal learning with professional or vocational practice.

You will complete a structured activity of work-integrated learning in participating with job seeking skills and industrial work experience.

WHAT YOU WILL STUDY
Areas of specialised study include:
» Administer unix-based computers
» Assemble and test personal computers
» Circuit calculations
» Client-server networks
» Commission computer systems
» Design and implement internetworking systems
» Digital electronics
» Engineering applications
» Engineering mathematics
» Engineering science
» Enterprise networks
» Environment and sustainability issues
» Install and configure internetworking systems
» Local area networks
» Network operating systems
» Network security
» Network services
» Project management
» Web page development
» Wireless local area networks
» Work-integrated learning (Industrial work experience)
» Workshop practice.

TEACHING METHODS
You will participate in learning activities through lectures, online and off-line learning resources, tutorials, practical/laboratory exercises, balanced hands-on practice, work-simulated projects, and work experience (work-integrated learning).

ASSESSMENT
Assessment for this program will be competency-based. Assessment may include practical/written assessments, presentations, and team or individual work-simulated projects.

2014 fees are indicative only
CAREER OUTLOOK
Computer systems officers are responsible for administering and upgrading networking facilities in small, medium or large enterprises. This program is well structured to support future technical officers in the installation, maintenance and administration of large computer networks and computer infrastructure. You will be able to apply your skills to a wide range of business, manufacturing and operational occupations.

PROFESSIONAL RECOGNITION
Graduates are eligible to seek membership of Engineers Australia at the engineering officer level. www.engineersaustralia.org.au

Industry certification training is for Cisco Certified Network Associate (CCNA), Microsoft Certified Systems Administrator (MCSA), Microsoft Certified Enterprise Administrator (MCEA), CCNA Network Security, Wireless (CWNA) and CompTIA A+ certificates are integrated into the course. To enhance your employability, you are encouraged to sit for the external examinations associated with these qualifications.

PATHWAYS
Graduates who are successful in gaining a place may be eligible to apply for exemptions of up to two years from the Bachelor of Engineering (Computer and Network Engineering).

YOU MAY ALSO BE INTERESTED IN...
- Electrical—technology (page 103)
- Electronics and communications engineering (page 103)

ELECTRICAL
Advanced Diploma of Engineering Technology—Electrical

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 TOTAL FEE (AUS)</th>
<th>2014 TOTAL FEE (AUS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6112*</td>
<td>2 years</td>
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<td>$32,750</td>
</tr>
</tbody>
</table>

www.rmit.edu.au/programs/c6112

* This program is subject to change due to the anticipated revision of the electrotechnology training package at national level.

You will gain the essential skills and knowledge to monitor, validate and evaluate the automated engineering of electrical equipment, plants, instrumentation and control systems. You will also gain the ability to manage risk, develop and manage maintenance programs, and provide technical advice.

You will learn about:
- electrical control systems, including programmable logic controllers (PLC) structured in an industry-based network called supervisory control and data acquisition (SCADA)
- electrical design
- motor control
- computer programming
- computer-aided design (CAD)
- various software applications.

WHAT YOU WILL STUDY
Areas of specialised study include:
- Analogue electronics
- Computational solutions
- Computer-aided design (CAD)
- Digital electronics
- Electrical design
- Electrical drafting
- Electrical installations
- Electrical Machines
- Electrical projects
- Electromagnetic circuits
- Engineering science
- Engineering software
- Environmental and sustainability issues
- Industrial control systems
- Microprocessor control systems
- Motor control
- Occupational health and safety
- Poly-phase power circuits
- Programmable logic controllers (PLCs)
- Project management
- Supervisory control and data acquisition systems (SCADA)
- Technical leadership skills
- Work-integrated learning (industrial work experience)
- Workshop practice.

TEACHING METHODS
You will participate the learning activities through lectures, tutorials, practical/laboratory exercises, work-simulated projects, online and off-line learning resources, balanced hands-on practice, and work experience (work-integrated learning).

ASSESSMENT
Assessment for this program will be competency-based. Assessment may include practical/written assessments, presentations, and team or individual work-simulated projects.

CAREER OUTLOOK
Employment options range from mining, manufacturing and transport to industrial instrumentation and control, automation, robotics and mechatronics. Roles at a paraprofessional (technical officer) level will involve development, design, installation, commissioning, operations, and/or maintenance of engineering equipment, plant or instrumentation and control systems. Please note: This program will not prepare students for work in electrical trades, and will not lead to an electrical (A grade) licence.

PROFESSIONAL RECOGNITION
Graduates are eligible to seek membership of Engineers Australia at the engineering officer level. www.engineersaustralia.org.au

PATHWAYS
Graduates who are successful in gaining a place may be eligible to apply for exemptions of up to two years from the following degrees:
- Bachelor of Engineering (Electrical and Electronic Engineering)
- Bachelor of Engineering (Electrical Engineering).

YOU MAY ALSO BE INTERESTED IN...
- Computer systems engineering (page 102)
- Electronics and communications engineering (this page)

ELECTRONICS AND COMMUNICATIONS ENGINEERING
Advanced Diploma of Electronics and Communications Engineering

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 TOTAL FEE (AUS)</th>
<th>2014 TOTAL FEE (AUS)</th>
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<tbody>
<tr>
<td>C6108</td>
<td>2 years</td>
<td>$31,250</td>
<td>$32,750</td>
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</tbody>
</table>

www.rmit.edu.au/programs/c6108

You will gain the skills and knowledge to design and evaluate electronics and communications systems and equipment, as well as manage risks, projects, and provide technical advice. You will gain knowledge and skills in:
- computer-aided drafting (CAD) and electronic design
- computer interfacing
- microprocessor programming
- the design, testing and commissioning of analogue and digital electronics systems
- computer programming
- performing simulations using various engineering software packages

WHAT YOU WILL STUDY
Areas of specialised study include:
- Amplifiers
- Analogue integrated circuit design
- Circuit simulation
- Communication engineering systems
- Communications and networks
- Computational solutions
- Computer programming
- Digital and analogue electronics and applications
- Electronic interfacing
- Electronic technology and instrumentation
- Engineering application software
- Engineering science
- Environmental and sustainability issues
- Gate array technology
- Microelectronics
- Microprocessor control systems
- Microprocessors
- Object-oriented programming
- Occupational health and safety
- Principles of Global Positioning System (GPS)
- Principles of mobile phones, AM, FM
- Project management
- Telecommunications
- Work-integrated learning (industrial work experience)
- Workshop practice.
TEACHING METHODS
You will participate in learning activities through lectures, tutorials, practical/laboratory exercises, work-simulated projects, online and off-line learning resources, balanced hands-on practice, and work experience (work-integrated learning).

ASSESSMENT
Assessment for this program will be competency-based. Assessment may include practical/written assessments, presentations, team or individual work-simulated projects.

CAREER OUTLOOK
You will have employment opportunities in a range of industries, such as manufacturing, telecommunications, radio communications, electronic equipment and services, security systems, scientific instruments, and sales. Roles at paraprofessional (technical officer) level may include, but are not limited to, electronics technician, technical officer, engineering associate, draftsperson, sales engineer.

PROFESSIONAL RECOGNITION
Graduates are eligible to seek membership of Engineers Australia at the engineering officer level. www.engineersaustralia.org.au

PATHWAYS
Graduates who are successful in gaining a place may be eligible to apply for exemptions of up to two years from the following degrees:
- Bachelor of Engineering (Electrical and Electronic Engineering)
- Bachelor of Engineering (Electronic and Communication Engineering)

YOU MAY ALSO BE INTERESTED IN...
- Computer systems engineering (page 102)
- Electrical (page 103)

TELECOMMUNICATIONS
Certificate IV in Telecommunications Networks Technology

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 TOTAL FEE (AU$)</th>
<th>2014* TOTAL FEE (AU$)</th>
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<tr>
<td>C4298</td>
<td>1 year</td>
<td>$15250</td>
<td>$16000</td>
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www.rmit.edu.au/programs/c4298

This program provides you with the knowledge and skills relating to the principles of telecommunication signalling, the concepts of telecommunication networks operations, design and optical communication, and the development of diagnostic skills associated with network cabling.

The program covers internet cloud, circuit and packet switching, copper and fibre cabling, customer premises equipment, broadband networks, and network functional groups. Graduates become technical officers or technicians, specialising in the fields of telecommunication systems and communication networks.

The program is based on the nationally accredited Telecommunications Training Package (ICT10).

INDUSTRY CONNECTIONS
RMIT is committed to providing you with an education that strongly links formal learning with professional or vocational practice. You will be taken on various site visits to gain experience in the telecommunications industry.

WHAT YOU WILL STUDY
The program has significant emphasis on all aspects of local area networks (LAN) and wide area networks (WAN), with a special focus on solving complex copper and fibre network faults.

Areas of specialised study include:
- Advanced network switching
- Advanced optical test equipment
- Customer premises equipment
- Digital circuits
- Electrical skills
- Environmental policy and procedures
- Hand and power tools
- Internet protocol devices
- Network faults
- Network infrastructure
- Occupational health and safety
- Optical and RF measuring instruments
- Power management software
- Team management
- Testing cables
- Wide area network
- Wireless networks
- Work safely in the construction industry.

CAREER OUTLOOK
Telecommunications technicians typically work in the operations departments of telecommunications carriers. However, with the growing use of telecommunications infrastructure in large business enterprises, they may also find work providing system administration and system support in large business enterprise networks that interconnect with the public telecommunications infrastructure. Technicians may also be responsible for maintaining complex telecommunications equipment, systems and facilities at a station. They may perform works associated with maintenance, testing, alignment, modification and operation of station electronic equipment.

PROFESSIONAL RECOGNITION
Industry certification training for Cisco certified network associate (CCNA) is integrated into this program.

GLOBAL OPPORTUNITIES
The Cisco certified network associate (CCNA) Exploration program is recognised internationally.

YOU MAY ALSO BE INTERESTED IN...
- Computer systems (page 102)
- Electrical (page 103)
- Electronics (page 119)
WHAT YOU WILL STUDY

The degree has a multidisciplinary core curriculum designed for four years of study, with three elective courses in the final years. The first four semesters are aimed at developing general, analytical problem-solving skills, design capabilities, professional practice and introductory mechatronics skills and knowledge.

In the third and fourth years, you will deepen your knowledge in mechatronics engineering by studying advanced robotics systems and performing computer analysis of manufacturing systems, process design and inventory control. Advanced manufacturing and mechatronics engineering studies are designed to reflect current industry requirements and include:

- mechatronics, including robotics and control
- high-speed automation
- manufacturing management
- advanced material and properties.

The degree has an analytical focus with opportunities to work in design and development teams, as is expected in many industries. Emphasis is placed on the need to view a manufacturing system as a system made up of people, machines and information, the flow of which must be controlled to produce internationally competitive solutions. Specialised studies include: computer-aided manufacturing, quality management, mechatronic design and advanced robotics.

The degree shares many elective studies with mechanical, automotive and aerospace engineering, allowing you to undertake specialist electives if desired.

TEACHING METHODS

Classes are taught in a combination of lecture, seminar, tutorial, practical and laboratory sessions. Students learn core information in lectures, followed by small group discussions in seminars and tutorials. Work-integrated learning (WIL) is implemented through labs, projects, industry placement and final year projects which may be based in industry.

Online delivery and assessment is comprehensively used across the whole program of study.

CAREER OUTLOOK

Opportunities for advanced manufacturing and mechatronics engineers are as diverse as the manufacturing industry itself. Areas of employment include the automotive industry; the aerospace industry; computer manufacturing; high-speed automation in the process industry; food and beverage manufacturing; and engineering and management consultancy.

You will also be qualified to take up a diverse range of positions as a product design engineer and process engineer; facilities manager; production planner and quality engineer, or automation specialist.

PROFESSIONAL RECOGNITION

The RMIT degree satisfies the requirements for admission to graduate membership of Engineers Australia. Graduates are thereby recognised as professional engineers in all member countries of the Washington Accord. Corporate membership may be gained after the required period of professional experience. Admission to Engineers Australia can allow membership of comparable professional institutions in the UK and the USA without examination.

www.engineersaustralia.org.au
www.washingtonaccord.org

GLOBAL OPPORTUNITIES

Opportunities are available for final year students to carry out a work placement overseas with industry partners. Additionally, the option to link with a multinational organisation such as ABB, FESTO, Ford, Holden, Toyota, Cadbury, Ni, and SAGE is available for final year projects.

YOU MAY ALSO BE INTERESTED IN...

- Automotive engineering (page 107)
- Mechanical engineering (page 123)

AEROSPACE ENGINEERING

Bachelor of Engineering (Aerospace Engineering)

www.rmit.edu.au/programs/bp069

Aerospace engineering is an exciting profession focusing on the analysis, design and operation of sophisticated aerospace hardware and software systems. The term ‘aerospace’ includes atmospheric and space flight.

As with all fields of engineering, aerospace engineering is complex and demanding. It requires talented, creative and motivated people. This highly analytical field of engineering requires you to have well-developed skills in mathematics and physical sciences, as well as excellent communication skills.

Australia’s aerospace industry is international and export-oriented. There is a firm emphasis on value-added design and manufacture activities that are internationally competitive.

You will graduate with the analytical, technological and managerial skills required to practise aerospace engineering. You will also learn to appreciate the wider social implications of the engineering profession.
INDUSTRY CONNECTIONS
You are strongly advised to obtain a minimum of 12 weeks of vacation employment of a type that allows you to gain first-hand experience in a practical engineering environment in which professional engineers are involved. This employment is typically undertaken in the vacation prior to final year.
Opportunities also exist for an overseas work placement of between six and 12 months duration, which satisfies the work experience requirement. These placements are normally taken during a one-year break at the middle or end of the third year of the degree.
You will also have the opportunity to work with industry leaders on real-world projects in your final year and to use theory and practical experience gained through the program to solve a problem.

WHAT YOU WILL STUDY
The degree is composed of core discipline areas covering essential material and elective studies. You may tailor your education to satisfy your developing interest in aerospace and enhance your career opportunities. Core discipline areas include engineering design, engineering practice, engineering professional development and engineering sciences courses. Sustainability issues are built in to multiple areas of the program in line with the increasing demand for long term solutions in this area.
These studies are contained within the aerospace disciplines of aerodynamics, aerospace materials and structures, aerospace systems, design, dynamics and control, mathematics, professional skill development, structural analysis, thermodynamics, aerospace propulsion and engineering project management.

CAREER OUTLOOK
The most likely destinations for graduates are:
- Design and manufacturing companies including Boeing Australia, EADS (Airbus), Hawker de Havilland, BAE Systems Australia, GKN Aerospace Engineering Services and Aerostuctures and Australian Aerospace.
- Defence forces: Royal Australian Navy, Australian Army and Royal Australian Air Force.
- Defence Science and Technology Organisation.
- Passenger transport airlines in Australia and internationally.
- Airworthiness organisations: Civil Aviation Safety Authority, Department of Defence
- General aviation.
Aerospace engineering graduates are also in high demand in non-aerospace organisations.

PROFESSIONAL RECOGNITION
The Bachelor of Engineering (Aerospace Engineering) degree is accredited by Engineers Australia and graduates are eligible to apply for graduate membership. Graduates are recognised as professional engineers in all member countries of the Washington Accord.
www.engineersaustralia.org.au
www.washingtonaccord.org

GLOBAL OPPORTUNITIES
RMIT has an agreement with NUAA (Nanjing University of Aeronautics and Astronautics, China) providing aerospace engineering students with an opportunity to take part in an international exchange program. Each year second year students are selected to attend the program, which runs from early September to the middle of January the following year.

PATHWAYS
Graduates of the Associate Degree in Engineering Technology (Mechanical) who achieve a grade point average (GPA) of 2.0 or greater are guaranteed entry with two years exemption (equivalent to 192 credit points) into the Bachelor of Engineering (Aerospace). Graduates with a GPA of less than 2.0 can apply, and if successful in gaining a place, may be eligible for exemptions.

YOU MAY ALSO BE INTERESTED IN...
- Aerospace engineering/management
- Aviation

AEROSPACE ENGINEERING/ MANAGEMENT
Bachelor of Engineering (Aerospace Engineering)/Bachelor of Business (Management)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION</th>
<th>2013 ANNUAL FEE (AU$)</th>
<th>2012 ANNUAL FEE (AU$)</th>
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<tr>
<td>BP071</td>
<td>5 years</td>
<td>$33,792</td>
<td>$34,848</td>
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www.rmit.edu.au/programs/bp071

Years one and two are conducted at the City campus and years three to five are shared between the City and the Bundoora campuses. The management component is studied at the City campus for all five years.
Aerospace engineering is an exciting profession concerned with the analysis, design and operation of sophisticated aerospace hardware and software systems. The term ‘aerospace’ includes atmospheric and space flight. Aerospace engineering is complex and demanding, requiring talented, creative and motivated people. If you are considering entering the aerospace engineering degree you will need well-developed skills in mathematics and physical sciences, as well as good communication skills.
Management involves the planning, organising, coordination and leadership of the resources of organisations. The manager draws on technical skills as diverse as accounting and organisational behaviour, and builds on personal abilities as diverse as analysis and leadership. Many graduates of this double degree move into management roles soon after graduating, as the double degree meets the needs of those who seek management education.

INDUSTRY CONNECTIONS
You are expected to obtain a minimum of 12 weeks of vacation employment of a type that allows you to gain first-hand experience in a practical engineering environment in which professional engineers are involved. This employment is typically undertaken in the vacation prior to final year.
Opportunities also exist for an overseas work placement of between six and 12 months duration, which satisfies the work experience requirement. These placements are normally taken during a one-year break at the middle or end of the third year of the degree.
You will also have the opportunity to work with industry leaders on real-world projects in your final year and to use theory and practical experience gained through the program to solve a problem.

WHAT YOU WILL STUDY
The double degree is composed of core courses that cover material essential for all students in the program, and elective courses through which you may tailor your degree. Core discipline areas include engineering design, engineering practice, engineering professional development, engineering sciences and business courses. These studies are contained within the aerospace disciplines of aerodynamics, aerospace materials and structures, aerospace systems, design, dynamics and control, mathematics, professional skill development, structural analysis, thermodynamics, aerospace propulsion and engineering project management. Specific aerospace focus commences in the first semester. Sustainability issues are built in to multiple areas of the program in line with the increasing demand for long term solutions in this area.
Additionally, second and final year students will take part in a Micro Air Vehicle (MAV) Challenge where they will design, build and fly a MAV in a simulated search and rescue mission.
Through the business management studies, you will investigate the themes of management skills, business skills, professional specialisations and business experience. Specialisations may include management, management accounting and finance, human resource management and marketing.

CAREER OUTLOOK
The double degree gives graduates the opportunity to find employment in management roles soon after graduation.
Graduates may find work in:
- Design and manufacturing companies including Boeing Australia, EADS (Airbus), Hawker de Havilland, BAE Systems Australia, GKN Aerospace Engineering Services and Aerostuctures and Australian Aerospace.
- Defence forces.
- Defence Science and Technology Organisation.
- Australian and international airlines.
- Airworthiness organisations: Civil Aviation Safety Authority, Department of Defence.
Aerospace engineers also gain skills in various fields of advanced technology that are in high demand in non-aerospace organisations including the automotive industry, power generation industry, software support companies, and research organisations. Graduates may also undertake further study.

PROFESSIONAL RECOGNITION
The engineering program is accredited by the professional body Engineers Australia. Graduates qualify for graduate membership of Engineers Australia and may be granted corporate membership after a period of approved professional practice. Graduates are recognised as professional engineers in all member countries of the Washington Accord.

By selecting appropriate studies, graduates of the business program may be able to obtain professional membership of the Australian Human Resources Institute or CPA Australia.

www.engineersaustralia.org.au
www.ahri.com.au
www.washingtonaccord.org
www.wcpaaustralia.com.au

GLOBAL OPPORTUNITIES
RMIT has an agreement with NHUAA (Nanjing University of Aeronautics and Astronautics, China) on an aerospace engineering students exchange program. Each year second year students are selected to attend the program, which runs from early September to the middle of January the following year.

YOU MAY ALSO BE INTERESTED IN...
» Aerospace engineering (page 105)
» Aviation (page 109)

APPLIED CHEMISTRY/ CHEMICAL ENGINEERING
Bachelor of Science (Applied Chemistry)/ Bachelor of Engineering (Chemical Engineering)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<tr>
<td>BP225</td>
<td>5 years</td>
<td>$30,960</td>
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www.rmit.edu.au/programs/bp225

With a combination of in-depth studies in chemistry, analytical science and chemical engineering courses, this program will put you at the forefront of developing new and established technologies that could change the world.

Why double-up?
You will have a better understanding of the requirements of team members from both specialties and interact with a wide range of relevant industries to broaden your career prospects.

INDUSTRY CONNECTIONS
Many courses are designed in collaboration with industry partners and people working in the industry are often invited to talk about their jobs and the opportunities available to you.

Industry field trips will allow you to see first-hand how the industry works.

As part of the degree, you must complete 12 weeks of professional engineering work experience, giving you the opportunity to put what you have learnt into practice and discover the career you would like to pursue when you graduate.

Final year projects will give you the opportunity to work on industry-based problems. In addition, selected students travel to the Alcoa mines and refineries in Western Australia to see large-scale mineral extraction and processing.

WHAT YOU WILL STUDY
In each year you will study science and engineering courses. The focus in your final year is on your design and research projects, which will depend on your specific area of interest. These projects give you the edge in a wide range of industry roles, and an opportunity to develop skills in working both in teams and individually.

CAREER OUTLOOK
As a graduate with a multidisciplinary qualification you will be highly employable. Graduates are employed in a range of chemical industries in Australia, particularly in the areas of oil and gas, food, biotechnology, pharmaceuticals, agricultural chemicals and polymers. In the process design sector, RMIT graduates particularly work on developing production processes from the lab to large-scale. You will be well placed to take leading roles in the development and commercialisation of new chemical products.

PROFESSIONAL RECOGNITION
This double degree is recognised by the Royal Australian Chemical Institute, the Institute of Engineers (Australia) and the Institution of Chemical Engineers (IChemE), UK.

YOU MAY ALSO BE INTERESTED IN...
» Chemical engineering/biotechnology (page 111)
» Chemical engineering/management (page 112)
» Environmental science/management (page 136)
» Food technology and nutrition/chemical engineering (page 122)

AUTOMOTIVE ENGINEERING
Bachelor of Engineering (Automotive Engineering)

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<tr>
<td>BP067</td>
<td>4 years</td>
<td>$30,720</td>
<td>$31,880</td>
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</table>

www.rmit.edu.au/programs/bp067

Automotive engineering is the application of principles drawn from the sciences to develop economical and sustainable automotive designs or to solve automotive problems.

The industry generates and applies new technologies (such as full-electric, hybrid power trains and fuel cells) for the betterment of society. This program responds to industry and student demand. It builds on a core program of mechanical engineering, offering specialist courses to ensure you graduate industry ready. It encompasses complete car design, takes a global view and is increasingly environmental in outlook.

INDUSTRY CONNECTIONS
You may choose to undertake a one-year industry placement position, commencing in the middle of or at the end of third year in either Australia or overseas. You will gain valuable industrial experience, which may lead to a full-time job upon completion of the degree. RMIT will help you to find placements. This optional industry placement may increase the time needed to graduate by six or 12 months. In the final year of your degree, you will undertake a major final year research project that is either industry based or simulates a project in an industrial situation using RMIT test and analysis tools.

WHAT YOU WILL STUDY
Automotive engineering courses include:
» Vehicle power systems

An introduction to the development, design, specification, and operation of internal combustion engines for mobile applications with a focus on traditional spark-ignited and diesel engines. It also covers alternative power plants and fuels.

Sustainable vehicle design and sustainable automotive manufacturing
You will learn to and solve advanced engineering problems, particularly in the structural design and manufacturing of vehicles and automotive components. The course represents the basis for the analysis and solution of problems related to modern automotive sustainable design and manufacturing and advanced computer modelling techniques of real engineering problems.

Vehicle handling and control
Covers performance prediction relatively early in the design process and identifies the conflicts in designing for optimal performance in different modes.
Vehicle aerodynamics
Emphasis is placed on solving aerodynamic problems using a balance of computation and experimental techniques. The growing influence of styling on body shape is approached from both an artistic and a scientific viewpoint.

Vehicle noise and vibration
You will learn to understand the nature of sound, effectively document human response to sound, understand the automotive body structure design for improved noise and vibration, and characterise relationship between noise and vibration. You will also learn to appreciate the difference between structure-borne and air-borne sources.

CAREER OUTLOOK
Automotive engineers are employed by major car, truck and bus companies as well as racing teams and parts manufacturers.
Graduates from RMIT are working in F1 teams, Porsche, Ford, General Motors, Toyota, Audi, BMW, Daimler-Chrysler and Bosch.

PROFESSIONAL RECOGNITION
The degree satisfies the requirements of Engineers Australia and the Society of Automotive Engineers, Australia for graduate membership.
Graduates are recognised as professional engineers in all member countries of the Washington Accord.
www.engineersaustralia.org.au
www.saea.com.au
www.washingtonaccord.org

GLOBAL OPPORTUNITIES
One of the buzzwords in automotive engineering is 'globalisation'. Car companies are linking up around the world, and mergers and takeovers are common. Many manufacturers produce vehicles for the world market. Engineers are increasingly expected to move around the world, and some manufacturers use Australia as the base for launching models into South East Asia. Reflecting this international theme, RMIT has strong links with universities and automotive companies worldwide.
You can elect to take some courses in European universities, and student exchanges and industrial placements have taken place with Germany, Switzerland, France, the UK and USA.

PATHWAYS
Graduates of the Associate Degree in Aviation Technology (Mechanical) who achieve a grade point average (GPA) of 2.0 or greater are guaranteed entry with two years exemption (equivalent to 192 credit points) into the Bachelor of Engineering (Automotive).
Graduates with a GPA of less than 2.0 can apply, and if successful in gaining a place, may be eligible for exemptions.

YOU MAY ALSO BE INTERESTED IN...
- Mechanical engineering (page 123)
- Mechanical engineering/management (page 126)

AUTOMOTIVE/MANAGEMENT
Bachelor of Engineering (Automotive Engineering)/Bachelor of Business (Management)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUB)</th>
<th>2014 ANNUAL FEE (AUB)</th>
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</thead>
<tbody>
<tr>
<td>BP282</td>
<td>5 years</td>
<td>$33,792</td>
<td>$34,848</td>
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</table>

www.rmit.edu.au/programs/bp282

This double degree will give you automotive engineering and management expertise, preparing you for leadership roles in the automotive and related industries.
The Bachelor of Engineering (Automotive Engineering) will ensure you are adept in core mechanical and automotive engineering.
The Bachelor of Business (Management) will prepare you to manage contemporary organisations within complex and changing economic and social conditions.

INDUSTRY CONNECTIONS
You are expected to complete a minimum of 12 weeks of relevant vacation employment that allow you to gain first-hand experience in an engineering practice environment in which professional engineers are involved. This is typically undertaken in the vacation prior to your final year.
In the final year of your studies, you will undertake a major project that is either industry based or simulates an industrial situation.

WHAT YOU WILL STUDY
This degree consists of core automotive engineering and management courses, and elective courses from the two disciplines. The electives on offer enable you to develop specialist skills and enhance your learning in areas of particular interest to you in management and engineering.
Electives within automotive engineering offer specialisation centred on the following main areas of expertise:
- Computer aided engineering
- Vehicle aerodynamics
- Vehicle noise and vibration.

CAREER OUTLOOK
Graduates may move into management positions. Areas of employment include transport, petrochemical industries, energy supply, building services, defence forces, governments and general engineering and consulting organisations.

PROFESSIONAL RECOGNITION
Accreditation timelines are set by Engineers Australia. Full accreditation will be sought as soon as possible following the first cohort of graduates. Once fully accredited, graduates of the program will be eligible for graduate membership of Engineers Australia.
Note: the automotive engineering single degree is already fully accredited by Engineers Australia.
www.engineersaustralia.org.au

GLOBAL OPPORTUNITIES
Students in this program have opportunities for Study Abroad and student exchange, and there are also opportunities for paid internships overseas under RMIT’s RiiERP program.

PATHWAYS
There are no articulation agreements with this double degree, however students with related qualifications in automotive engineering or management may be considered for exemptions on a case-by-case basis. Your GPA will be considered as part of the application for advanced standing.

YOU MAY ALSO BE INTERESTED IN...
- Automotive engineering (page 107)
- Mechanical engineering (page 123)

AVIATION
Associate Degree in Aviation (Professional Pilots)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUB)</th>
<th>2014 ANNUAL FEE (AUB)</th>
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<tr>
<td>AD023</td>
<td>2 years</td>
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<td>$60,480</td>
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</table>

www.rmit.edu.au/programs/ad023

You will be trained to Civil Aviation Safety Authority (CASA) standards to gain the skills required for a full Commercial Pilot Licence.
Flight training is at Point Cook Airfield, which provides a range of airspace terrain and environments to maximise variety in your navigational experience.
Courses in Air Transport Pilot’s Licence and Instrument or Flight Instructor ratings are also part of this program.
The program provides a pathway to the Bachelor of Applied Science (Aviation).

WORKING WITH INDUSTRY
The flight training you will undertake within this program is to CASA standards. All flying will be undertaken in current model single and multi-engine aircraft, with either analog or glass cockpits.
Students studying the theory-based modules at the City campus may undertake industry-supported project work within the aviation industry.

WHAT YOU WILL STUDY
During your studies you will train in the following single and multi-engine aircraft:
- Cessna 172S
- Cessna 182T
- Decathlon 8KCAB
- Frasca 242: Simulator
- PA-44 Piper Seminole (multi-engine).
Dual flight instruction includes of unlimited pre- and post-flight briefing time, Private Pilot Licence Theory, Commercial Pilot Licence Theory, Air Transport Pilot Licence Theory, and Instrument Rating Theory.
Total syllabus is 160 hours flying (minimum). This program exceeds the minimum 150-hour CASA requirements.

2014 fees are indicative only
CAREER OUTLOOK
You will graduate with a CASA Commercial Pilot Licence plus either Command Instrument rating (multi-engine) or Flight Instructor rating (single engine).
Additional ratings or endorsements may be necessary in order to secure initial employment. Graduates should have researched and have an understanding of initial employment opportunities for newly graduated pilots. Initial job opportunities build pilot experience and may involve relocating to areas for charter or outback station flying, sightseeing flights, seasonal fire spotting, seasonal beach patrols, or (with an Instructor Rating) instructing.
With additional ratings and endorsements and experience gained it is possible to secure jobs in multi-engine charter operations flying higher performance aircraft, regional airlines, or high performance general aviation activities such as The Flying Doctor or Coast Watch services. Employment opportunities in the role of First Officer exist in major airlines with experience gained over the required time period in the situations described above.
Later, with significant experience and managerial qualifications, you may also seek positions within major airlines as a Chief Pilot, Fleet Manager, Flight Operations Manager, or with an aviation regulator as a Flight Operations Inspector.

PROFESSIONAL RECOGNITION
The Associate Degree in Aviation (Professional Pilots) program conducted by RMIT University Flight Training meets all the Civil Aviation Safety Authority (CASA) requirements. All flying activities are conducted under RMIT University’s CASA approved Air Operator Certificate (AOC).

EXTRA REQUIREMENTS
You are required to undergo a CASA Class 1 Medical Examination performed by a medical practitioner known as a Designated Aviation Medical Examiner (DAME). For details please visit www.casa.gov.au/avmed.
You will need to attend a mandatory interview at Point Cook site prior to enrolment.

PATHWAYS
Graduates of the Associate Degree in Aviation (Professional Pilots) may be eligible to apply for exemptions from the Bachelor of Applied Science (Aviation).

YOU MAY ALSO BE INTERESTED IN...
» Aviation (degree) (page 109)
» Aerospace engineering (page 105)

AVIATION
Bachelor of Applied Science (Aviation)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AU$)</th>
<th>2014* ANNUAL FEE (AU$)</th>
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<tr>
<td>BP070</td>
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<td>$31,680</td>
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www.rmit.edu.au/programs/bp070
You will be prepared for employment in a range of operational, management and planning roles in the dynamic aviation industry.
Aviation is highly competitive and needs well-trained individuals who can work effectively in rapidly changing environments.
RMIT has been involved in aerospace and aviation education and training for more than 30 years, equipping to be effective in a wide range of roles at various levels.
You will gain a broad awareness of the aviation industry and a range of analytical skills that will give you a comprehensive appreciation of the aviation operating environment. You’ll be able to demonstrate breadth and depth of thinking and solve problems in the aviation industry workplace.
The program offers a career development option for people who already hold a Commercial Pilot Licence. Commercial pilots receive one year of advanced standing credit.

INDUSTRY CONNECTIONS
In the first year of the program, industry-based professionals deliver guest lectures that will enhance your understanding of the aviation industry.

WHAT YOU WILL STUDY
The Bachelor of Applied Science (Aviation) degree combines studies in core discipline areas with elective studies that enable you to tailor your degree and to enhance your career opportunities. Areas of study include:
» Technical studies through which you develop an understanding of aircraft and aviation systems.
» Sustainable aviation and the impact of aviation on the environment.
» Professional development courses where project activities develop and integrate discipline-specific skills and generic capabilities that are widely used across any profession.
» Industry systems and processes through which you develop knowledge and skills in planning and management.
The degree covers the specifics of planning and management relevant to the aviation industry, taking account of risk, safety, human factors, the industry environment, and other key themes.

CAREER OUTLOOK
Graduates may choose to embark on professional careers in the following areas:
» airline management
» airline operations
» airport management
» airport operations
» airport planning
» aviation charter businesses
» aviation consulting
» aviation regulation and safety.

YOU MAY ALSO BE INTERESTED IN...
» Aerospace engineering (page 105)
» Aerospace engineering/management (page 106)

AVIATION/MANAGEMENT
Bachelor of Applied Science (Aviation)/Bachelor of Business (Management)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AU$)</th>
<th>2014* ANNUAL FEE (AU$)</th>
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<tr>
<td>BP284</td>
<td>4 years ☐</td>
<td>$34,560</td>
<td>$35,640</td>
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</table>

www.rmit.edu.au/programs/bp284
In this double degree you will learn about both the aviation industry and management, providing you with a wide range of employment options.
The Bachelor of Applied Science (Aviation) component will prepare you for employment in a range of operational management and planning roles in the aviation industry. These include roles in areas such as:
» airline operations planning and management
» airline maintenance management and supervision
» airport landside operations
» airport airside operations
» airport planning and management
» aviation safety management.
The Bachelor of Business (Management) component will further enhance your understanding and skills and prepare you to manage contemporary organisations within complex and changing economic and social conditions.

INDUSTRY CONNECTIONS
RMIT has expanding Australian and international links with the aviation industry. Key stakeholders in the industry participated in the original development of this program, and industry is playing a continuing role in ensuring that it remains relevant and graduates have strong career paths.
The capstone aviation industry project (AERO2431) that you will undertake in the final year of the program includes feedback from industry practitioners.
WHAT YOU WILL STUDY

The double degree is composed of core courses that cover material essential for all students in the program, as well as elective courses through which you may tailor your degree. Core discipline areas include aviation and airport management, aviation strategy, aircraft maintenance, human factors, aviation safety, and quality and business courses.

Through the business management studies you will investigate the themes and concepts of management skills such as business skills, professional specialisations and business experience. Specialisations may include management, employment relations, accounting and finance, human resource management and marketing.

CAREER OUTLOOK

This program will prepare you for employment in a range of operational management and planning roles in the aviation industry. These include roles in areas such as:

- airline operations planning and management
- airline maintenance management and supervision
- airport landside operations
- airport planning and management
- aviation safety management.

PROFESSIONAL RECOGNITION

The Bachelor of Applied Science (Aviation) and the Bachelor of Business (Management) are not subject to external accreditation.

PATHWAYS

You may be eligible for credit into other RMIT programs after successfully completing this program.

There are no articulation agreements with this double degree, however students with related qualifications in aviation or management may be considered for exemptions on a case-by-case basis. Your GPA will be considered as part of the application for advanced standing.

YOU MAY ALSO BE INTERESTED IN...

- Aviation (page 109)
- Management (page 67)

BIOMEDICAL ENGINEERING

Bachelor of Engineering (Biomedical Engineering)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUD)</th>
<th>2014* ANNUAL FEE (AUD)</th>
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<tr>
<td>BP275</td>
<td>4 years</td>
<td>$30,720</td>
<td>$31,680</td>
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</table>

www.rmit.edu.au/programs/bp275

Biomedical engineers design a wide range of devices like cardiac monitors, clinical computers, artificial hearts, wheelchairs and artificial tendons and limbs.

Increasingly complex technology is used in medical roles, and there is growing demand for technically skilled people who can design and improve devices and who understand the relationship between technology and clinical medicine.

You will study electronics, mechanical, chemical and materials engineering and biomedical sciences.

You will develop problem-solving and communication skills to help you think critically and independently, and discover innovative ways to apply science and engineering to biomedical and health care.

INDUSTRY CONNECTIONS

In addition to the compulsory 12 weeks of work experience required, students will have the opportunity to complete industry-sponsored projects.

Final year students can apply for summer research scholarships.

WHAT YOU WILL STUDY

In this degree you will study courses from many areas of RMIT. This will provide you with knowledge in a number of different fields, including physics, mathematics, biochemistry and medical science.

In the first years of the degree you will study the fundamentals of engineering, along with the basics of biology, anatomy and physiology.

In the engineering field, you will learn about electronics in relation to biomedical applications, as well as nano-electronics. You will also study fundamental sciences including biomechanics, biomaterials and human physiology.

You will study both compulsory and elective courses. The range of choice will help you select courses according to your own interest and chosen specialisation.

You will also complete major design projects in third and fourth year that are very similar to the work of practising engineers. These projects are designed to make you industry-ready.

CAREER OUTLOOK

One of the biggest industries in Australia in terms of research and government funding is biotechnology. This vibrant, expanding industry produces devices for medical electronics, clinical and rehabilitation engineering and biomaterials.

There are wide-ranging employment opportunities for graduates, including work in hospitals (servicing and optimising equipment), medical device manufacturing, nanotechnology and biotechnology.

Graduates are employed as regulators in government organisations, or as researchers for government, universities or private companies.

You can also work in private medical and pathology laboratories.

PROFESSIONAL RECOGNITION

Accreditation is still being sought with Engineers Australia. Once the program is fully accredited, graduates will be recognised as professional engineers in all member countries of the Washington Accord.

CHEMICAL ENGINEERING

Bachelor of Engineering (Chemical Engineering)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUD)</th>
<th>2014* ANNUAL FEE (AUD)</th>
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<tbody>
<tr>
<td>BP049</td>
<td>4 years</td>
<td>$30,720</td>
<td>$31,680</td>
</tr>
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</table>

www.rmit.edu.au/programs/bp049

Chemical engineering is diverse. You may be involved in water purification, food production and processing, or develop products such as cosmetics or soap.

You will design and develop ways in which raw materials, such as minerals and oil, are converted into useful products including composites, petrol, plastics and paper.

As a chemical engineer, you can work in diverse fields including petroleum production and refining, mineral processing, water purification, wastewater treatment, food production, research and development, process design and consulting, and environmental management and pollution control. Chemical engineering is also important to health and wellbeing, as technology is applied to make vaccines and drugs.

RMIT’s approach is well recognised by industry and brings together engineering science with engineering practice and design. The University’s well-equipped laboratories prepare you for the workplace and the degree encourages project planning, critical thinking, interpersonal, leadership and teamwork skills. Problem-solving using a sustainability approach is applied in many project-based courses, so you learn how to improve the efficiency of process industries and how to minimise their environmental and social impact.

*2014 fees are indicative only
INDUSTRY CONNECTIONS

There are opportunities for you to spend a week in a process industry in third year and learn about the roles of chemical engineers. Twelve weeks of professional engineering work experience is also recommended, usually between third and fourth years. Work experience gives you the chance to polish workplace skills and evaluate the kind of industry and employer you would like to work for. Work experience is a great motivator for success and RMIT students have worked for organisations such as Basell, BP, Cadbury, Cryovac, CSL, CUB, ExxonMobil, Kraft, Moldflow and Rio Tinto.

WHAT YOU WILL STUDY

The chemical engineering program covers the application of chemical, physical and biological sciences and technology for the improvement of industrial processes.

Year one
The first year of the program further develops your skills in chemistry and mathematics, and introduces you to biochemistry, the fundamentals of chemical engineering (mass and energy balance) and the design of chemical processes.

Year two
The second year of the program develops your knowledge on core chemical engineering areas such as fluid flow, reaction engineering, thermodynamics, and heat transfer.

Year three
The third year of the program develops your skills in environmental, safety and economic analysis of processes, design of process equipment and control schemes.

Year four
The final year of the program helps you to consolidate your core chemical engineering skills and apply them in a major process design project. You will also be able to specialise in major chemical engineering industry areas such as environmental, metallurgical, petroleum, and fluids engineering in third and final years. Each semester in this program involves project-based courses designed to develop your generic skills such as teamwork, project management, sustainability analysis and communication.

CAREER OUTLOOK

Chemical engineering is a truly international career. The RMIT degree is recognised around the world, and many Australian companies provide the opportunity for engineers to travel. In Australia, the major areas of employment are: chemical, petroleum, and petrochemical industries; food industry; water; environmental management and pollution control; mineral and metallurgical industries; plastics/polymers; biomaterials and diagnostic agents; pharmaceuticals and vaccines; cosmetics; electricity and gas utilisation; research and development; and project design and consulting. Chemical engineers can work in a variety of areas, from process and project engineering, to marketing or research.

PROFESSIONAL RECOGNITION

The Bachelor of Engineering (Chemical Engineering) degree is accredited by Engineers Australia. Graduates are eligible for graduate membership of Engineers Australia as a professional engineer.

www.engineersaustralia.org.au

The Institution of Chemical Engineers (IChemE), based in the UK, is the primary international professional society for the chemical engineer. The Bachelor of Engineering (Chemical Engineering) degree is accredited by IChemE at the (UK) MEng level.

GLOBAL OPPORTUNITIES

You can spend one or two semesters in universities in Canada, USA, Mexico, Denmark, Germany, Sweden, China and Korea. You can also undertake industry work experience with some of the world’s leading companies in Europe.

YOU MAY ALSO BE INTERESTED IN...

» Applied chemistry/chemical engineering (page 107)
» Chemical engineering/biotechnology (page 111)
» Chemical engineering/management (page 112)
» Food technology and nutrition/chemical engineering (page 122)

CHEMICAL ENGINEERING/BIOTECHNOLOGY

Bachelor of Engineering (Chemical Engineering)/Bachelor of Science (Biotechnology)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUS)</th>
<th>2014 ANNUAL FEE (AUS)</th>
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<tr>
<td>BP159</td>
<td>5 years</td>
<td>$30,960</td>
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www.rmit.edu.au/programs/bp159

Year one is conducted on the City campus and years two to five are shared between the City and the Bundoora campuses.

Chemical engineering brings together science with engineering practice and design. Biotechnology uses knowledge at the molecular level of living systems to devise strategies to solve important practical problems, for example, controlling disease and making the environment safer.

Chemical engineers apply biotechnology to make products on a large scale. These integrated skills can be applied to environmental management, agriculture and natural resource management, as well as a range of biological-based products and processes.

CAREER OUTLOOK

A chemical engineering graduate can work in a variety of areas, from process and project engineering to marketing or research. Graduates from this program are employed in research, production and testing, positions in government and commercial laboratories and in the field. Graduates from the program are currently employed by government departments (local, state and commonwealth), CSIRO, medical research institutes, hospitals, universities, secondary teaching, and private industry such as CSL Ltd. Other employment options include food processing production, as well as other research agencies and government departments. With experience or further qualification, graduates are employed at higher levels of responsibility.

WHY DOUBLE-UP?

The double degree program at RMIT covers the application of chemical engineering and biotechnology methodologies and technologies for better management of the environment; preventing, diagnosing and curing disease; improving crop plants and livestock; detecting pollutants and contaminants; and using organisms to produce chemicals, including drugs and food, and agrochemicals.

INDUSTRY CONNECTIONS

There are opportunities for you to spend a week in a process industry in third year and learn about the roles of chemical engineers. Twelve weeks professional engineering work experience is also recommended, usually between third and fourth years. Work experience gives you the chance to polish workplace skills and evaluate the kind of industry and employer you would like to work for. Work experience is a great motivator for success and RMIT students have worked for organisations such as Basell, BP, Cadbury, Cryovac, CSL, CUB, ExxonMobil, Kraft, Moldflow and Rio Tinto.

WHAT YOU WILL STUDY

The program builds on the basic sciences of chemistry and mathematics studied in Year 12, and goes on to cover chemical, physical and biological sciences and technology. It introduces microbiology, immunology and genetics, as well as fluid flow, particle mechanics, heat and mass transfer, process thermodynamics and sustainable engineering. Cell and tissue culture and molecular biology are also included at third year, together with engineering process principles.

The program develops knowledge in the fundamentals of chemical engineering and biotechnology, as well as developing generic skills such as team building. Project work is a feature of each year.

PROGRAMS
PROFESSIONAL RECOGNITION

Graduates qualify for professional membership of scientific societies such as the Australian Institute of Biology, the Australian Society for Microbiology, and the Australian Biochemical Society. Graduates are also eligible for graduate membership of Engineers Australia and the Institution of Chemical Engineers (IChemE), UK. IChemE is the primary international professional society for the chemical engineer. The Bachelor of Engineering (Chemical Engineering) degree is accredited by IChemE at the (UK) MEng level.

GLOBAL OPPORTUNITIES

You can spend one or two semesters in universities in Canada, USA, Mexico, Denmark, Germany, Sweden, China and Korea. You can also undertake industry work experience with some of the world’s leading companies in Europe.

YOU MAY ALSO BE INTERESTED IN...

- Applied chemistry/chemical engineering (page 107)
- Biotechnology (page 153)
- Chemical engineering (page 110)
- Chemical engineering/management (this page)
- Food technology and nutrition/chemical engineering (page 122)

CHEMICAL ENGINEERING/ MANAGEMENT

Bachelor of Engineering (Chemical Engineering)/Bachelor of Business (Management)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<th>2014 ANNUAL FEE (AU$)</th>
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<td>BP052</td>
<td>5 years</td>
<td>$33024</td>
<td>$34056</td>
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www.rmit.edu.au/programs/bp052

Chemical engineering and management at RMIT brings together engineering science, practice and design with core management competencies. RMIT focuses on industrial applications and links fundamental courses in engineering and management to real situations. This double degree prioritises a practical and vocational focus which is well recognised by industry. Problem-based learning courses encourage the development of your interpersonal, leadership and teamwork skills.

The management degree provides a thorough core of knowledge related to the roles and functions of business management. Clear judgement, working well with people, ethical behaviour, leadership and problem solving are all key attributes of a good manager. Managers deal with a range of complex issues, including wider economic and social factors.

Why double-up?

Many engineers quickly move into positions of management within organisations. This double degree will give you an advantage by equipping you for positions of responsibility and influence. A business degree will prepare you to operate in a complex financial system normally found in large engineering projects.

INDUSTRY CONNECTIONS

There are opportunities for you to spend a week in a process industry in third year and learn about the roles of chemical engineers. Twelve weeks professional engineering work experience is recommended, usually between third and fourth years. Work experience gives you the chance to polish workplace skills and evaluate the kind of industry and employer you would like to work for. Work experience is a great motivator for success and RMIT students have worked for organisations such as Basell, BP, Cadbury, Cryovac, CSL, CUB, ExxonMobil, Kraft, Moldflow and Rio Tinto.

WHAT YOU WILL STUDY

Building on the sciences of chemistry and mathematics you will develop skills in the fundamentals of chemical engineering. You will also be able to specialise in major chemical engineering industry areas such as environmental, metallurgical, petroleum, and fluids engineering in third and final years.

The management degree introduces core business concepts and analysis skills, which you will build on in the areas of organisational behaviour, leadership, governance, ethics, microeconomics and commercial law.

Later you can specialise in management areas including employment relations, health services management, management accounting, finance, marketing, international business or logistics and supply chain management.

CAREER OUTLOOK

In Australia, the major areas of employment are: chemical, petroleum and petrochemicals; food industry; water; environmental management and pollution control; mining; plastics/polymer; biomaterials and diagnostic agents; pharmaceuticals; vaccines; cosmetics; electricity and gas; and project design and consulting.

A chemical engineering graduate can work in a variety of areas, from process and project engineering to marketing or research. Nearly two-thirds of all double degree graduates will hold senior management positions at some stage in their careers.

With appropriate experience your management degree will prepare you for a range of additional roles in commercial, industrial and not-for-profit organisations.

PROFESSIONAL RECOGNITION

The Bachelor of Engineering (Chemical Engineering)/Bachelor of Business (Management) double degree is accredited by Engineers Australia. Graduates are eligible for graduate membership of Engineers Australia as a professional engineer.

www.engineersaustralia.org.au

The Institution of Chemical Engineers (IChemE), based in the UK, is the primary international professional society for the chemical engineer. The Bachelor of Engineering (Chemical Engineering)/Bachelor of Business (Management) double degree is accredited by IChemE at the (UK) MEng level.

Students may also be able to obtain professional membership of the Australian Human Resources Institute (AHRI) and CPA Australia by selecting appropriate minor studies.

GLOBAL OPPORTUNITIES

You can spend one or two semesters in universities in Canada, USA, Mexico, Denmark, Germany, Sweden, China and Korea. You can also undertake industry work experience with some of the world’s leading companies in Europe.

YOU MAY ALSO BE INTERESTED IN...

- Applied chemistry/chemical engineering (page 107)
- Chemical engineering (page 110)
- Chemical engineering/biotechnology (page 111)
- Food technology and nutrition/chemical engineering (page 122)

CHEMICAL ENGINEERING/ PHARMACEUTICAL SCIENCES

Bachelor of Engineering (Chemical Engineering)/Bachelor of Biomedical Science (Pharmaceutical Sciences)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<td>BP291</td>
<td>5 years</td>
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This double degree brings chemical engineering science, practice and design together with pharmaceutical science, with a focus on industrial applications.

Pharmaceutical sciences are complemented by chemical engineering for the production, development and manufacturing of drugs and related products.

The double degree includes microbiology, therapeutics, pharmacology, drug research and core aspects of chemical engineering. Mathematics and chemistry are common to both degrees.

Why double-up?

Many engineers quickly move into positions of management within organisations. This double degree will give you an advantage by equipping you for positions of responsibility and influence. A business degree will prepare you to operate in a complex financial system normally found in large engineering projects.

INDUSTRY CONNECTIONS

There are opportunities for you to spend a week in a process industry in third year and learn about the roles of chemical engineers. Twelve weeks professional engineering work experience is recommended, usually between third and fourth years. Work experience gives you the chance to polish workplace skills and evaluate the kind of industry and employer you would like to work for. Work experience is a great motivator for success and RMIT students have worked for organisations such as Basell, BP, Cadbury, Cryovac, CSL, CUB, ExxonMobil, Kraft, Moldflow and Rio Tinto.

WHAT YOU WILL STUDY

Building on the sciences of chemistry and mathematics you will develop skills in the fundamentals of chemical engineering. You will also be able to specialise in major chemical engineering industry areas such as environmental, metallurgical, petroleum, and fluids engineering in third and final years.

The management degree introduces core business concepts and analysis skills, which you will build on in the areas of organisational behaviour, leadership, governance, ethics, microeconomics and commercial law.

Later you can specialise in management areas including employment relations, health services management, management accounting, finance, marketing, international business or logistics and supply chain management.

CAREER OUTLOOK

In Australia, the major areas of employment are: chemical, petroleum and petrochemicals; food industry; water; environmental management and pollution control; mining; plastics/polymer; biomaterials and diagnostic agents; pharmaceuticals; vaccines; cosmetics; electricity and gas; and project design and consulting.

A chemical engineering graduate can work in a variety of areas, from process and project engineering to marketing or research. Nearly two-thirds of all double degree graduates will hold senior management positions at some stage in their careers.

With appropriate experience your management degree will prepare you for a range of additional roles in commercial, industrial and not-for-profit organisations.

PROFESSIONAL RECOGNITION

The Bachelor of Engineering (Chemical Engineering)/Bachelor of Business (Management) double degree is accredited by Engineers Australia. Graduates are eligible for graduate membership of Engineers Australia as a professional engineer.

www.engineersaustralia.org.au

The Institution of Chemical Engineers (IChemE), based in the UK, is the primary international professional society for the chemical engineer. The Bachelor of Engineering (Chemical Engineering)/Bachelor of Business (Management) double degree is accredited by IChemE at the (UK) MEng level.

Students may also be able to obtain professional membership of the Australian Human Resources Institute (AHRI) and CPA Australia by selecting appropriate minor studies.

GLOBAL OPPORTUNITIES

You can spend one or two semesters in universities in Canada, USA, Mexico, Denmark, Germany, Sweden, China and Korea. You can also undertake industry work experience with some of the world’s leading companies in Europe.

YOU MAY ALSO BE INTERESTED IN...

- Applied chemistry/chemical engineering (page 107)
- Chemical engineering (page 110)
- Chemical engineering/biotechnology (page 111)
- Food technology and nutrition/chemical engineering (page 122)
Chemical engineering will develop your communication, project planning, teamwork and leadership skills through problem-based learning, while pharmaceutical science will build your skills in creativity, critical analysis and specialist knowledge. The two degrees each offer specific career opportunities. The combination will prepare you to deal with complex projects and issues in research and development and maximise benefits of scientific discoveries to society.

INDUSTRY CONNECTIONS
There are opportunities for you to spend a week in a process industry in third year and learn about the roles of chemical engineers. Twelve weeks professional engineering work experience is recommended, usually between fourth and fifth years. Work experience gives you a chance to polish your workplace skills and evaluate the kind of industry and employer you want to work for. Work experience is a great motivator for success and RMIT students have worked for many organisations such as Basell, BP, Cadbury, CSL, CU, Kraft and Institute of Drug Technology Australia.

WHAT YOU WILL STUDY
The program builds on the basic sciences of chemistry and mathematics studied in Year 12, and goes on to cover biochemical, chemical and pharmaceutical science and technology. You will develop skills in the fundamentals of chemical engineering and apply these to relevant industries.

You will be introduced to microbiology, therapeutics, pharmacology, and drug research, as well as covering all core chemical engineering subjects, and generic skills such as teamwork and communications. Project work is a feature of every year.

CAREER OUTLOOK
As a graduate with a multidisciplinary qualification you will be highly employable. Graduates are employed in a wide range of industries in Australia and overseas, including the chemical, pharmaceutical, drug manufacture, biotechnology and food industries, as well as the process design sector. RMIT graduate engineers typically work on scaling up from the lab to large-scale design and commissioning of new equipment, and existing process improvement.

PROFESSIONAL RECOGNITION
Graduates are eligible for graduate membership of Engineers Australia and the Institution of Chemical Engineers, UK.

GLOBAL OPPORTUNITIES
You can spend one or two semesters in universities in Canada, USA, Mexico, Denmark, Germany and Sweden. You can also undertake industry work experience overseas with some of the world's leading companies.

YOU MAY ALSO BE INTERESTED IN...
- Applied chemistry/chemical engineering (page 107)
- Chemical engineering (page 110)
- Chemical engineering/biotechnology (page 111)
- Chemical engineering/management (page 112)
- Food technology and nutrition/chemical engineering (page 122)

CIVIL AND INFRASTRUCTURE ENGINEERING
Bachelor of Engineering (Civil and Infrastructure)

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<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AU$)</th>
<th>2014 ANNUAL FEE (AU$)</th>
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<tr>
<td>BP198</td>
<td>4 years</td>
<td>$30,720</td>
<td>$31,680</td>
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This program is at the cutting edge of engineering education and has been designed to satisfy current industry demand. Civil and infrastructure engineers plan, design, construct, supervise, manage and maintain essential infrastructure in modern communities. They aim to be responsive to wider community needs and reflective of the values that relate to the economic, environmental and social impacts of projects. Civil and infrastructure engineers work with the environment, using natural resources for the benefit of the community.

The program emphasises work experience and project-based learning. A broad range of electives allows you to customise your studies to suit your interests. You will acquire good interpersonal skills, a solid understanding of engineering theory and the ability to apply learning and knowledge to a wide range of situations.

INDUSTRY CONNECTIONS
You will be required to undertake 12 weeks of professional engineering work experience usually between years three and four. Students have been placed in workplaces including: VicRoads, Maunsell, Ove Arup, and local councils. In addition to this you will have the opportunity in year one to take part in an industry project run through Engineers Without Borders.

Approximately 50 per cent of final year students will undertake industry-based projects as part of their studies.

WHAT YOU WILL STUDY
Years one and two
Years one and two introduce key graduate capabilities in sustainability, problem solving, engineering analysis, teamwork, leadership and communications. In first year you will extend your mathematical skills to engineering applications and gain some basic concepts around engineering applications. Year two concentrates on the big theoretical ideas around practical engineering including: site investigation, geotechnical, water and transport engineering, structural analysis and design and mathematical modelling.

Years three and four
Years three and four cover the application areas of structures, water resources, geomechanics and transport. Specialisation and diversification in these years is also possible. Sub-disciplines include:
- Construction/project management: civil infrastructure projects.
- Geotechnical: earthworks, tunnels, dams and ground improvement.
- Structural: bridges, power stations, sports stadiums, towers, factories and other large buildings.
- Transport: roads, railways, airports, canals and harbours.
- Water resources: water supply, wastewater treatment, protection of coasts and river banks.

The program has strong links with industry, organisations and departments concerned with civil engineering, and relationships are established between students and these entities through project-based teaching modes used in a number of courses.

The program also maintains an environmental sustainability focus, in line with continuing trends in the global engineering profession.

CAREER OUTLOOK
Graduates are employed as project managers, design engineers, construction managers, environmental engineers and engineering asset managers.

PROFESSIONAL RECOGNITION
The Bachelor of Engineering (Civil and Infrastructure) degree is accredited by Engineers Australia and graduates are eligible to apply for graduate membership.

GLOBAl OPPORTUNITIES
RMIT has agreements with a number of universities in America, Canada, Europe and Asia on civil and infrastructure engineering student exchange programs. Optional tours are organised to Paris to study practical applications related to sustainable cities of the future.
What you will study

The early stages of the engineering degree introduce key capabilities in sustainability, problem solving, engineering analysis, teamwork, leadership and communications.

Years three, four and five cover the application areas of structures, water resources, geomechanics and transport. Specialisation and diversification in these years are also possible. Throughout the five years of engineering study, you will develop an in-depth understanding of the theory and practice of project management. The management degree introduces core business concepts and analysis skills, and encourages you to apply business theories and models. Specialist courses in areas including employment relations are also available.

You will build on fundamental business theory in the areas of organisational behaviour, leadership, management and governance, ethics, microeconomics and commercial law.

In addition, you will begin specialist studies in areas including employment relations, health services management, management accounting, finance, marketing, international business or logistics and supply chain management.

The final stages enable you to improve your management skills in a practical context. Studies in strategic management are supplemented by further specialist courses.

Career outlook

Graduates have a wide range of career opportunities in Australia and overseas. There is a growing demand for engineering managers capable of providing leadership and decision-making across both technical and financial business systems. Engineering managers are involved in large scale capital investment projects, as well as in infrastructure policy and planning.

After gaining professional experience, double degree graduates typically move more quickly into middle and senior management or to consultant positions.

Your management degree will prepare you for a range of additional roles and, with appropriate experience, you can expect to advance to management positions in commercial, industrial and not-for-profit organisations.

Professional recognition

The Bachelor of Engineering (Civil and Infrastructure) degree is accredited by Engineers Australia and graduates are eligible to apply for graduate membership.

www.engineersaustralia.org.au

Bachelor of Business (Management) students may be able to obtain professional membership of the following bodies by selecting appropriate studies:

- Australian Human Resources Institute (AHRi) (Employment Relations specialisation)
- CPA Australia (Management Accounting and Finance specialisation)

Global opportunities

RMIT has agreements with a number of universities in America, Canada, Europe and Asia on civil and infrastructure engineering student exchange programs.

Optional tours are organised to Paris to study practical applications related to sustainable cities of the future.

You may also be interested in...

- Civil and infrastructure engineering (page 113)

Civil engineering

Associate Degree in Engineering Technology (Civil Engineering)

www.rmit.edu.au/programs/ad009

RMIT has agreements with a number of universities in America, Canada, Europe and Asia on civil and infrastructure engineering student exchange programs.

Optional tours are organised to Paris to study practical applications related to sustainable cities of the future.

Industry connections

In the final semester you will undertake an engineering project.

Project topics are developed by you with industry partners and your lecturers. You will be required to design, develop and present a product. The project requires the full development of a simulated civil engineering problem. Examples include:

- designing a water supply for a rural township
- designing a sub-development for a real estate project, including road and channel design.

Projects require analysis of environmental impact and mitigation as well as full working drawings and materials sourced and costed.

The engineering project is carried out either in conjunction with industry or simulates a real engineering work environment.
WHAT YOU WILL STUDY

Year one
The first year introduces you to basic engineering skills including drafting, use of hand and power tools, machine processes and manufacture. Materials engineering includes metals, composites, plastics and adhesives. You will learn the processes used to construct objects from these materials and external factors that can change their effectiveness.

A focus of first year is environmental awareness, which covers the effects on the earth’s environment of various types of pollutants.

You will also develop key skills in computer-aided design (CAD) to allow you to use software to produce complex CAD drawings.

Year two
Year two builds on your first year studies but contains more specialised courses relevant to civil engineering. This includes fluid mechanics, structural design, soil mechanics, roads and transport.

You will learn to design and analyse reinforced concrete beams, slabs, footings and columns, along with the ability to design simple steel structures.

Lab sessions will develop your knowledge of soil mechanics, and the design of safe and efficient methods of controlling traffic on the road is also covered.

You will be required to undertake an engineering project in this year.

CAREER OUTLOOK
Civil engineering will help you find employment in the public or private sector in positions such as laboratory technician, research assistant, construction supervisor or CAD drafter. You will work under the supervision of a professional engineer.

PROFESSIONAL RECOGNITION
Graduates are eligible to apply for membership of Engineers Australia as engineering officers.

www.engineersaustralia.org.au

PATHWAYS
Graduates of the Associate Degree in Engineering Technology (Civil Engineering) who achieve a grade point average (GPA) of 2.0 or greater are guaranteed entry of up to two years exemption (equivalent to 192 credit points) into the Bachelor of Engineering (Civil and Infrastructure).

Graduates with a GPA of less than 2.0 can apply, and if successful in gaining a place, may be eligible for exemptions.

MAY ALSO BE INTERESTED IN...
- Electrical/electronics (page 119)
- Mechanical engineering (page 123)
- Network engineering (page 127)

WHAT YOU WILL STUDY

Year one and two
The first two years of the degree you will learn about the basic principles of computer and network engineering and how they work. You will also study areas of mathematics and physics that are important for engineers.

Through your project work, you will gain teamwork and communication skills and learn how to be an effective leader.

Year three and four
Year three and four of the degree will apply your skills to a greater depth of knowledge. You will study your chosen specialist area more deeply. Further options are available for students who wish to study a combination of subjects.

You will complete individual and team-based projects that are similar to the work of practising engineers. This will help you to become ready to work in the industry.

COMPUTER AND NETWORK ENGINEERING

Bachelor of Engineering (Computer and Network Engineering)

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<th>RMIT CODE</th>
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<tbody>
<tr>
<td>BP263</td>
<td>4 years</td>
<td>$30,720</td>
<td>$31,680</td>
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www.rmit.edu.au/programs/bp263

Computer and network engineers design engineering solutions to make businesses more productive and competitive. They design and install new products and computer systems, work with organisations to improve existing products, or integrate more than one system so that the whole works more efficiently. They can also provide ongoing support as technology is updated.

By driving new technologies, computer engineering creates innovative opportunities for businesses such as developing robotics and multimedia systems like speech and image processing.

Computer engineers work with embedded computer systems—the computerised controls in a car’s electrical system, for example.

Network engineers design, implement and maintain the digital communication networks that surround us. In this program, network engineering looks at VOIP technology (Internet telephony), optimising network performance and network security.

Your work will be largely laboratory-based, where you will conduct experiments and design your own projects.

The opportunity to simultaneously specialise in computer and network engineering is unique to this degree.

INDUSTRY CONNECTIONS
In addition to the compulsory 12 weeks of work experience required, students will have the opportunity to complete industry-sponsored projects.

Final year students can apply for summer research scholarships.

YOU MAY ALSO BE INTERESTED IN...
- Computer and network engineering/computer science (page 116)
- Computer and network engineering/management (page 116)
- Electrical and electronic engineering (page 117)
- Electrical engineering (page 118)
engineers. The study will closely resemble the work of practising management and communication skills. Your work, which will help you develop teamwork, is expected to be very high.

PROFESSIONAL RECOGNITION
This program is fully accredited by Engineers Australia. Graduates of the program are eligible for graduate membership of Engineers Australia. Corporate membership may be obtained after an appropriate period of professional practice. www.engineersaustralia.org.au
The Washington Accord is an agreement amongst engineering professional bodies of Australia, Canada, Chinese Taipei, Hong Kong, Ireland, Japan, Korea, Malaysia, New Zealand, Singapore, South Africa, UK and US. Based on the Accord, the qualifications of graduates of RMIT engineering programs that are fully accredited by Engineers Australia are also recognised by the other countries as being substantially equivalent to accredited or recognised qualifications within its own jurisdiction. www.washingtonaccord.org
The computer science component of this double degree program is accredited at professional level by the Australian Computer Society, which accredits information and communication technology-related programs in Australia.

GLOBAL OPPORTUNITIES
You will have the opportunity of undertaking an industry placement for six or 12 months, either locally as advertised by local businesses or internationally through the RMIT International Industry Experience and Research Program (RIERP), visit www.rmit.edu.au/rierp.

YOU MAY ALSO BE INTERESTED IN...
» Computer and network engineering (page 115)
» Computer and network engineering/management (page 116)
» Electrical and electronic engineering (page 117)
» Electronic and communication engineering (page 120)

CAREER OUTLOOK
Graduates can work in industry and business to design and build computer and communication networks. Telecommunication operators such as Telstra, equipment manufacturers such as Cisco, and IT departments of all organisations employ network engineers to carry out design, implementation and maintenance tasks.

Universities and research organisations seek computer scientists and engineers to improve their computer technologies. Job opportunities also exist with governments to improve defence, security and emergency services.

Business and industry will spend more on software and computer systems in the years to come, so the demand for graduates with both engineering and computer science expertise is expected to be very high.

INDUSTRY CONNECTIONS
In addition to the compulsory 12 weeks of work experience required, students will have the opportunity to complete industry-sponsored projects. As a final year student you can apply for summer research scholarships.

WHAT YOU WILL STUDY
The first topics you will study in the degree are programming basics, circuit theory and database concepts. You will also study engineering methods and mathematics and physics subjects that are essential for engineers.

The second year is more technical and looks at electronics, design, embedded systems and more advanced programming, including for the web.

The third year features a mix of compulsory and elective courses. From here you have the chance to specialise in a particular area of computer and network engineering or computer science by choosing electives that will deepen your technical knowledge.

The focus in the final year is on making you industry ready. You will do a lot of project work, which will help you develop teamwork, management and communication skills. Your study will closely resemble the work of practising engineers.
You may also be interested in...

- Computer and network engineering (page 115)
- Computer and network engineering/computer science (page 116)
- Electrical and electronic engineering (page 117)
- Electronic and communication engineering (page 120)

ELECTRICAL AND ELECTRONIC ENGINEERING

Bachelor of Engineering (Electrical and Electronic Engineering)

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<tr>
<td>BP262</td>
<td>4 years</td>
<td>$30,720</td>
<td>$31,680</td>
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In this program you will learn how electricity and electronics work and how to build and maintain devices. You will experiment in the laboratory and design and build projects.

While electrical engineers devise solutions to generate and use electrical power efficiently and cleanly, electronic engineers design and maintain electronic devices and systems, from amplifiers and stereo equipment to scanning equipment used in hospitals. Together, electrical and electronic engineers deliver products and services to improve the quality of life for individuals and communities.

Electrical and electronic engineers design and develop electrical systems for the generation, distribution and control of electric power, as well as electronic systems used for computing, communications, industry and entertainment. Electrical and electronic engineers also boost productivity in industries like agriculture and manufacturing by improving the drive and control systems in transport and designing robots and automated tools.

INDUSTRY CONNECTIONS

In addition to the compulsory 12 weeks of work experience required, you will have the opportunity to complete industry-sponsored projects. Final year students can apply for summer research scholarships.

WHAT YOU WILL STUDY

Years one and two

In the first two years of this degree you will learn the fundamental ideas and activities related to electrical and electronic engineering, including mathematics and physics subjects that are essential for engineers. Through your project work, you will learn high-level technical and design skills, gain communication and teamwork skills, and learn how to become a good leader.

Years three and four

The last two years of the degree offer flexibility in your areas of study. In third year you choose subjects from four main study areas: electrical, electronic, communication, and computer and network engineering. In the fourth year you can choose to specialise in one area. Alternatively, you can pick electives from several of these areas for a more generalist degree.

In both of these options you will become industry ready as well as skilled in communication, management and teamwork.

CAREER OUTLOOK

As a graduate of electrical and electronic engineering, you can look for work in lots of different areas. You could design and make electrical and electronic products, or install and maintain systems for businesses. Universities and governments also require engineers to maintain and improve their electrical and electronic technologies.

Suitable roles for graduates exist at power plants in the energy sector, working in auto-electronics for the car industry, in defence and in the higher education sector conducting research.

You could also choose to run your own business, delivering services in your chosen specialisation.

PROFESSIONAL RECOGNITION

This degree is provisionally accredited by Engineers Australia. Full accreditation will be sought for this program as soon as it is feasible to do so within the accreditation timelines set by Engineers Australia. Once fully accredited, graduates of the program will be eligible for graduate membership of Engineers Australia.

GLOBAL OPPORTUNITIES

You will have the opportunity of undertaking an industry placement for six or 12 months, either locally or internationally through the RMIT International Industry Experience and Research Program (RIIERP), visit www.rmit.edu.au/riierp.

PATHWAYS

Graduates of the Associate Degree in Engineering Technology (Electrical/Electronics) who achieve a grade point average (GPA) of 2.0 or greater are guaranteed entry with 192 credit points exemption (equivalent to two years) into the Bachelor of Engineering (Electrical and Electronic Engineering).

Graduates with a GPA of less than 2.0 may apply, and if successful in gaining a place, may be eligible for exemptions.

Graduates of the following programs who are successful in gaining a place may also be eligible to apply for exemptions:

- Advanced Diploma of Computer Systems Engineering
- Advanced Diploma of Electrical—Technology
- Advanced Diploma of Electronics and Communications Engineering

YOU MAY ALSO BE INTERESTED IN...

- Computer and network engineering (page 115)
- Electrical engineering (page 118)
- Electrical engineering/commerce (page 118)
- Electrical engineering/management (page 119)
- Electronic and communication engineering (page 120)
- Electronic and communication engineering/computer science (page 121)
Electrical engineers design systems for the efficient use of electrical power. This is important in the transport and energy sectors, including renewable energy. Electrical engineers also work on infrastructure and building and resource projects, and design and operate electrical equipment and systems.

You will put theories into practice and solve problems by making useful products and providing quality services. You will also be involved in practical work, conducting experiments and designing projects. The program includes 12 weeks’ full-time work experience, which is a requirement for Engineers Australia accreditation.

**INDUSTRY CONNECTIONS**

In addition to the compulsory 12 weeks of required work experience, you will have the opportunity to complete industry-sponsored projects. Final year students can apply for summer research scholarships.

**WHAT YOU WILL STUDY**

In the first two years of this degree you will learn the fundamental ideas and activities related to electrical engineering, and you will also study mathematics and physics subjects that are essential for engineers. Through your project work, you will gain communication and teamwork skills, and learn how to become a good leader. In the second two years of the degree you will study high-level technical and design skills and focus on your specialist area more closely. Specialisations include energy conversion, power systems and high-voltage equipment.

You will complete major design projects, both team-based and individual, in years three and four. By completing these projects you will practise the communication, management and teamwork skills you have learned. The projects are similar to the ones practising engineers work on, and will help you become an industry-ready graduate.

**CAREER OUTLOOK**

As an electrical engineering graduate, you can work in many different industries. These include automotive, manufacturing, mining, power generation and distribution, consumer product design, resources and defence.

Graduates are well suited to roles designing and supervising projects to implement new technologies in small and large organisations. The leadership skills you learn from project work in this degree can also help prepare you for management roles in industry.

You could also choose to run your own business, delivering services in your chosen specialisation.

**PROFESSIONAL RECOGNITION**

This program is fully accredited by Engineers Australia (www.engineersaustralia.org.au) and thereby professionally recognised by 13 member countries of the Washington Accord (www.washingtonaccord.org): Australia, Canada, Chinese Taipei, Hong Kong, Ireland, Japan, Korea, Malaysia, New Zealand, Singapore, South Africa, UK and US.

**GLOBAL OPPORTUNITIES**

You will have the opportunity of undertaking an industry placement for six or 12 months, either locally as advertised by local businesses, or internationally through the RMIT International Industry Experience and Research Program (RIIERP), visit www.rmit.edu.au/riierp.

**PATHWAYS**

Graduates of the Associate Degree in Engineering Technology (Electrical/Electronics) who achieve a grade point average (GPA) of 2.0 or greater are guaranteed entry with 192 credit points exemption (equivalent to two years) into the Bachelor of Engineering (Electrical Engineering). Graduates with a GPA of less than 2.0 may apply, and if successful in gaining a place, may be eligible for exemptions.

Graduates of the following programs who are successful in gaining a place may also be eligible to apply for exemptions:

- Advanced Diploma of Computer Systems Engineering
- Advanced Diploma of Electrical—Technology
- Advanced Diploma of Electronics and Communications Engineering

**YOU MAY ALSO BE INTERESTED IN...**

- Computer and network engineering (page 115)
- Electrical and electronic engineering (page 117)
- Electrical engineering/commerce (page 118)
- Electrical engineering/management (page 119)
- Electronic and communication engineering (page 120)
PROFESSIONAL RECOGNITION

This program is fully accredited by Engineers Australia. Graduates of the program are eligible for graduate membership of Engineers Australia. Corporate membership may be obtained after an appropriate period of professional practice.

www.engineersaustralia.org.au

The Washington Accord is an agreement amongst engineering professional bodies of Australia, Canada, Chinese Taipei, Hong Kong, Ireland, Japan, Korea, Malaysia, New Zealand, Singapore, South Africa, UK and US. Based on the Accord, the qualifications of graduates of RMIT Engineering programs that are fully accredited by Engineers Australia are also recognised by the other countries as being substantially equivalent to accredited or recognised qualifications within its own jurisdiction.

www.washingtonaccord.org

GLOBAL OPPORTUNITIES

You will have the opportunity of undertaking an industry placement for six or 12 months, either locally as advertised by local businesses or internationally through the RMIT International Industry Experience and Research Program (RIIERP), visit www.rmit.edu.au/riierp.

YOU MAY ALSO BE INTERESTED IN...

- Computer and network engineering (page 115)
- Electrical and electronic engineering (page 117)
- Electrical engineering (page 118)
- Electrical engineering/management (page 119)
- Electronic and communication engineering (page 120)

ELECTRICAL ENGINEERING/ MANAGEMENT

Bachelor of Engineering (Electrical Engineering)/ Bachelor of Business (Management)

RMIT CODE DURATION AND CAMPUS 2013 ANNUAL FEE (AUS) 2014* ANNUAL FEE (AUS)

BP065 5 years ☑ $33792 $34848

www.rmit.edu.au/programs/bp065

Electrical engineers design systems and equipment to generate and use electrical power more efficiently. This is very important to the resource sector and increasingly in demand to provide renewable energy.

This degree will help you find creative solutions to engineering problems and provide you with the strategic skills to implement them.

You can become part of the revolution that is producing new technologies.

Why double-up?

Engineering solutions often involve project work, and the combined skills of this double degree provide you with an edge in being able to competently manage projects. You can employ your technical skills in a wide range of industries to design solutions for controlling electrical energy, as well as the operational skills to plan and supervise projects.

INDUSTRY CONNECTIONS

In addition to the compulsory 12 weeks of work experience required, you will have the opportunity to complete industry-sponsored projects.

Final year students can apply for summer research scholarships.

WHAT YOU WILL STUDY

The first three years will introduce you to the fundamentals of electrical engineering, including mathematics and physics. The business management component of your studies will include marketing, economics and logistics.

In the last two years you will specialise in electrical energy and power systems and complete two major design projects.

A large portion of your study is based around practical work in laboratories and on computers, building your design and problem-solving skills.

CAREER OUTLOOK

Graduates of this double degree can work in many different industries. You will be able to offer employers technical skills, an innovative approach, and the confidence and ability to lead. The skills and project-based assessments in your degree will make you industry ready.

Work opportunities also exist in government organisations and private companies, both in Australia and overseas. You could design and supervise projects in the fields of renewable energy, power generation and distribution, industrial and retail automation or developing new technologies for transportation.

You could also choose to start your own business, delivering services in your specialist area.

PROFESSIONAL RECOGNITION

This program is fully accredited by Engineers Australia. Graduates of the program are eligible for graduate membership of Engineers Australia. Corporate membership may be obtained after an appropriate period of professional practice.

www.engineersaustralia.org.au

The Washington Accord is an agreement amongst engineering professional bodies of Australia, Canada, Chinese Taipei, Hong Kong, Ireland, Japan, Korea, Malaysia, New Zealand, Singapore, South Africa, UK and US. Based on the Accord, the qualifications of graduates of RMIT Engineering programs that are fully accredited by Engineers Australia are also recognised by the other countries as being substantially equivalent to accredited or recognised qualifications within its own jurisdiction.

www.washingtonaccord.org

GLOBAL OPPORTUNITIES

You will have the opportunity of undertaking an industry placement for six or twelve months, either locally as advertised by local businesses or internationally through the RMIT International Industry Experience and Research Program (RIIERP), visit www.rmit.edu.au/riierp.

YOU MAY ALSO BE INTERESTED IN...

- Computer and network engineering (page 115)
- Electrical and electronic engineering (page 117)
- Electrical engineering (page 118)
- Electrical engineering/commerce (page 117)
- Electronic and communication engineering (page 120)

ELECTRICAL/ELECTRONICS

Associate Degree in Engineering Technology (Electrical/Electronics)

RMIT CODE DURATION AND CAMPUS 2013 ANNUAL FEE (AUS) 2014* ANNUAL FEE (AUS)

AD005 2 years ☑ $24960 $25920

www.rmit.edu.au/programs/ad005

The Associate Degree in Engineering Technology (Electrical/Electronics) gives you skills in the design, installation, maintenance, analysis, troubleshooting and management of electrical and electronic devices and systems.

It provides a pathway way into relevant degrees offered at RMIT to further develop your analytical and practical skills, or can lead to employment as an engineering officer.

Electrical engineering involves the planning, design, installation, and maintenance of electrical systems. These systems focus on the generation, distribution and control of electric power, and also include electronic systems used for computing, communications and other industrial applications.

Electronics engineering focuses on the design, manufacture, repair and maintenance of advanced electronic equipment and systems. These include radio, computer systems, robotic systems, and other electronic systems.

Combining lectures and seminars with practical laboratory and workshops sessions that include simulation and animation tools will enhance your learning.

An associate degree is a two-year higher education qualification that can be undertaken after Year 12 or following a certificate III or IV with industry experience.

INDUSTRY CONNECTIONS

In the final semester you will undertake an engineering project.

Project topics are developed by you with industry partners and your lecturers. You will be required to design, develop and present a product.

The project involves design and building of a process control system including:

- identifying each machine and interfacing requirements
- assessing risk and design safety measures
- designing PLC software and product code
- setting up and configuring an Ethernet Network and Graphical User interfaces
- preparing technical files.
The project is completed with a working demonstration of the control of a manufacturing process.
The engineering project is carried out either in conjunction with industry or simulates a real engineering work environment.

**WHAT YOU WILL STUDY**

**Year one**
First year introduces basic AC motors, electronic concepts and PLC operation. You will learn CAD programming and how to create and interpret basic electrical and mechanical engineering drawings. The study and use of engineering materials including metals, composites, plastics and adhesives are introduced. There is a strong focus on suitability and the environmental impact of materials.

**Year two**
Second year extends electrical theory and includes RC, RL and RLC, AC fundamentals, coupled circuits and DC and AC motor control principles. The design and installation of wired and wireless local area network (LAN) and wide area network (WAN) links is introduced. You will also develop practical skills in testing and problem solving. Electrical/electronic design digital and analogue interfacing, microprocessor programming and automation are covered. Programming language and how to problem solve scenarios related to the development of computer programs are also covered, along with an understanding of embedded systems, including the design, implementation, testing and fault finding of microprocessor based systems. You will also undertake an engineering project.

**CAREER OUTLOOK**
Electrical and electronic technology is part of daily life and graduates are in demand. Diverse job opportunities exist in areas including:
- electrical/electronics design
- electronic communications
- microprocessor programming
- interfacing, automation and process control.
Employment can be found in the following industries:
- automotive
- computer design and manufacture
- aviation and biotechnology
- middle management engineering roles.

**PROFESSIONAL RECOGNITION**
Graduates are eligible to seek membership of Engineers Australia at the engineering officer level.
www.engineersaustralia.org.au

**GLOBAL OPPORTUNITIES**
You will have the opportunity to apply for a one-semester exchange with VIA University College, Denmark in the final year of the program.

**PATHWAYS**
Graduates of the Associate Degree in Engineering Technology (Electronic/Electrical) who achieve a grade point average (GPA) of 2.0 or greater are guaranteed entry with two years exemption (equivalent to 192 credit points) into the following programs:
- Bachelor of Engineering (Electrical and Electronic Engineering)
- Bachelor of Engineering (Electrical Engineering)
- Bachelor of Engineering (Electronic and Communication Engineering)

Graduates with a GPA of less than 2.0 may apply, and if successful in gaining a place, may be eligible for exemptions.

**YOU MAY ALSO BE INTERESTED IN...**
- Civil engineering (page 114)
- Mechanical engineering (page 123)
- Network engineering (page 127)

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**ELECTRONIC AND COMMUNICATION ENGINEERING**

**Bachelor of Engineering (Electronic and Communication Engineering)**

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2014 ANNUAL FEE (AUD)</th>
<th>2014* ANNUAL FEE (AUD)</th>
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<tbody>
<tr>
<td>BP264</td>
<td>4 years</td>
<td>$30,720</td>
<td>$31,680</td>
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</tbody>
</table>

www.rmit.edu.au/programs/bp264

Electronic and communication engineers design, implement and maintain devices, systems and services that improve quality of life for individuals and communities. Their devices can improve how productive and competitive a business is, or how effectively a government service such as transportation runs. Electronic and communication products and services like mobile phones, computers, internet, broadband services, radio and HDTV are essential to everyday activities. Land, sea and air transport rely heavily on satellites (GPS) for navigation, and on sophisticated electronic systems for safety control. Hospitals depend on sophisticated electronic diagnostic and therapeutic equipment. Satellite phones and broadband services reduce the tyranny of distance for remote communities. Space exploration vehicles and space telescopes rely on radio communication equipment to send data and images over vast distances back to Earth.

The Bachelor of Engineering (Electronic and Communication Engineering) program at RMIT aims to produce electronic and communication engineers who have the potential to be leaders in their profession.

This program has the following distinguishing features:
- It contains a very significant laboratory component that provides hands-on, practical experience. You will be work-ready when you commence your professional engineering career.
- It includes a substantial design component in every year of the program, which develops not only competence and creativity in engineering design, but also other important skills in business, management, communication, teamwork and leadership.

**INDUSTRY CONNECTIONS**
In addition to the compulsory 12 weeks of work experience, you may also have the opportunity to participate in industry-sponsored projects. Final year students can also apply for summer research scholarships.

**WHAT YOU WILL STUDY**
Laboratory work, lectures and tutorials will help you with technical theory. You will add to this with self-directed learning, where you do your own research and investigation.

In the first two years of this degree you will learn the fundamentals of electronic and communication engineering, together with the relevant mathematics and physics. You will also develop essential teamwork and leadership skills. Year three further strengthens the theoretical and practical foundations of electronic and communication engineering, and consolidates your design, teamwork, leadership, business and communication skills.

Year four focuses on making you work-ready. You will select specialist courses to suit the type of jobs you will be seeking on graduation. You will also develop abilities to work independently through your individual design project, which is very similar to the work of practising engineers.

**CAREER OUTLOOK**
As a graduate of electronic and communication engineering, you can look for work in many diverse areas. You could design and make electronic and communication products, or install and maintain systems for businesses. Universities and governments also require engineers to maintain and improve their electronic and communications technologies.

Graduate job opportunities exist in a wide range of industries and public and private organisations in Australia and overseas. Employer organisations include the electronics, telecommunications, aerospace, automotive, biomedical, microtechnology, manufacturing, computing, networking, defence and resources industries and businesses.

Some graduates may choose to start their own service, design or consulting business. Others may undertake higher degree studies.

*2014 fees are indicative only*
PROFESSIONAL RECOGNITION
This program is fully accredited by Engineers Australia, and thereby professionally recognised by 13 member countries of the Washington Accord: Australia, Canada, Chinese Taipei, Hong Kong, Ireland, Japan, Korea, Malaysia, New Zealand, Singapore, South Africa, the UK and the US.
www.engineersaustralia.org.au
www.washingtonaccord.org

GLOBAL OPPORTUNITIES
You will have the opportunity of undertaking an industry placement for six or 12 months, either locally, or internationally through the RMIT International Industry Experience and Research Program (RIIERP), visit www.rmit.edu.au/riierp.

PATHWAYS
Graduates of the Associate Degree in Engineering Technology (Electrical/Electronics) who achieve a grade point average (GPA) of 2.0 or greater are guaranteed entry with 192 credit points exemption (equivalent to two years) into the Bachelor of Engineering (Electronic and Communication Engineering).

Graduates with a GPA of less than 2.0 may apply, and if successful in gaining a place, may be eligible for exemptions.

Graduates of the following programs may also be eligible to apply for exemptions:
- Advanced Diploma of Computer Systems Engineering
- Advanced Diploma of Electrical—Technology
- Advanced Diploma of Electronics and Communications Engineering

YOU MAY ALSO BE INTERESTED IN...
- Computer and network engineering (page 115)
- Electrical and electronic engineering (page 117)
- Electrical engineering (page 118)
- Electronic and communication engineering/computer science (page 121)
- Physics/Electronic and communication engineering (page 128)

ELECTRONIC AND COMMUNICATION ENGINEERING/COMPUTER SCIENCE
Bachelor of Engineering (Electronic and Communication Engineering)/Bachelor of Computer Science

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUD)</th>
<th>2014 ANNUAL FEE (AUD)</th>
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<tr>
<td>BP004</td>
<td>5 years</td>
<td>$33,792</td>
<td>$34,848</td>
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</table>

www.rmit.edu.au/programs/bp004

Computer scientists develop software methods and technologies for application and infrastructure development in the information technology (IT) industry.

Engineers design and implement products and services for people, businesses, industry, and private and public organisations. These products and services help to improve people’s quality of life, increase profits, and enhance community health, safety and security.

Examples of electronic and communication products and services include computers, smart phones, medical imaging machines, radio, television, optical fibre broadband networks, mobile and satellite communications and satellite navigation.

This program has a significant laboratory learning component that provides hands-on, practical experience. It also develops important skills in business, management, communication, teamwork and leadership.

INDUSTRY CONNECTIONS
You will be required to undertake 12 weeks of professional engineering work experience, usually between years three and four.

There is also the opportunity to complete an industry-sponsored design project in your final year.

Final year students can apply for summer research scholarships.

WHAT YOU WILL STUDY
This double degree has a strong technical focus and integrates practical skills with business and elective studies. In the first three years, you will study the fundamentals of electronic and communication engineering, computer science, and relevant mathematics and physics.

All courses emphasise professional and personal development. Essential leadership, team organisation, communication and decision-making skills are fostered to facilitate a smooth transition into industry.

Years three and four include a selection of electronic and communication engineering courses. You will also complete your computer science studies in the final two years.

CAREER OUTLOOK
Graduate job opportunities exist in a wide range of industries including: defence, health and science, business, technology development, communication and security. Universities and research organisations also employ computer scientists and engineers to enhance existing technologies and develop new technologies.

The demand for graduates with both engineering and computer science expertise is expected to be very high in the years to come, as people and organisations rely more and more on computer, electronic and communication products and services to improve their qualities of life and their effectiveness and competitiveness.

PROFESSIONAL RECOGNITION
The computer science degree of this double degree program is accredited at professional level by the Australian Computer Society.
www.acs.org.au

The engineering degree of this double degree is fully accredited by Engineers Australia, and thereby professionally recognised by 13 member countries of the Washington Accord: Australia, Canada, Chinese Taipei, Hong Kong, Ireland, Japan, Korea, Malaysia, New Zealand, Singapore, South Africa, the UK and the US.
www.engineersaustralia.org.au
www.washingtonaccord.org

GLOBAL OPPORTUNITIES
You will have the opportunity of undertaking an industry placement for six or 12 months, either locally or internationally through the RMIT International Industry Experience and Research Program (RIIERP), visit www.rmit.edu.au/riierp.

YOU MAY ALSO BE INTERESTED IN...
- Computer and network engineering (page 115)
- Computer and network engineering/computer science (page 116)
- Computer and network engineering/management (page 116)
- Electrical and electronic engineering (page 117)
- Electronic and communication engineering (page 120)
In this degree you will develop and combine expertise in electronic engineering and industrial design to develop new and innovative electronic products. Electronic product design is a multidisciplinary engineering degree, which incorporates knowledge and expertise from electronic engineering, mechanical engineering, industrial design, and graphic design. You will learn to develop consumer electronic products that meet specific needs, are easy to use and are environmentally friendly.

The degree is about more than learning the theories behind electronic product design. You will put theory into practice and solve problems by making useful products and providing quality services. You will spend a lot of time on experiments in laboratory classes and undertaking design projects. You will also complete 12 weeks of full-time work experience. This is a requirement for graduate accreditation by Engineers Australia.

**INDUSTRY CONNECTIONS**

In addition to the compulsory 12 weeks of required work experience, you will have the opportunity to complete industry-sponsored projects. Final year students can also apply for summer research scholarships.

**WHAT YOU WILL STUDY**

In the first two years of this degree you will learn the fundamental ideas and aspects related to electronic product design. You will also learn about industrial design and computer aided design through design studio courses. Through your project work, you will gain communication and teamwork skills, and learn how to become a good leader. In the second two years of the degree you will develop high level technical and industrial design skills and focus on your specialist area more closely.

You will complete major design projects, both team-based and individual, in years three and four. By completing these projects you will practise the communication, management and teamwork skills you have learned. The projects are similar to the ones practising engineers work on, and will help you become an industry-ready graduate.

**CAREER OUTLOOK**

Graduates can work in many different industries, including product design in electronic engineering or related industries such as the aerospace, automotive, telecommunications, health, electrical, computing, resource, defence, and primary industries. Work opportunities will be available both in Australia and overseas. The leadership skills you learn from project work in this degree can also help prepare you for management roles in industry. Graduates are well suited to for roles designing and supervising projects to implement new technologies, working in small and large organisations. You could also choose to run your own business, delivering services in your chosen specialisation.

**PROFESSIONAL RECOGNITION**

This program does not yet have accreditation by Engineers Australia. Accreditation will be sought for this program as soon as possible within the accreditation timelines set by Engineers Australia. Once fully accredited, graduates of the program will be eligible for graduate membership of Engineers Australia, and will be recognised as professional engineers in all member countries of the Washington Accord.

www.engineersaustralia.org.au
www.washingtonaccord.org

**GLOBAL OPPORTUNITIES**

RMIT encourages students to participate in Study Abroad and other centrally run opportunities. You will also have the opportunity of undertaking an industry placement for six or 12 months either locally as advertised by local businesses, or internationally through the RMIT International Industry Experience and Research Program (RIERP).

www.mit.edu.au/rierp

**YOU MAY ALSO BE INTERESTED IN...**

- Biomedical engineering (page 110)
- Computer and network engineering (page 115)
- Electrical engineering (page 118)
- Electrical and electronic engineering (page 117)
- Electronic and communication engineering (page 120)
- Industrial design (page 52)

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**ENVIRONMENTAL ENGINEERING**

**Bachelor of Engineering (Environmental Engineering)**

**RMIT CODE**

<table>
<thead>
<tr>
<th>DURATION AND CAMPUS</th>
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<tr>
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<td>4 years</td>
<td>$30 720</td>
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</table>

Please refer to page 133 for program details.

**FOOD TECHNOLOGY AND NUTRITION/Chemical Engineering**

**Bachelor of Science (Food Technology and Nutrition)/Bachelor of Engineering (Chemical Engineering)**

**RMIT CODE**

<table>
<thead>
<tr>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUD)</th>
<th>2014 ANNUAL FEE (AUD)</th>
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<tbody>
<tr>
<td>BP236</td>
<td>5 years</td>
<td>$30 960</td>
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</table>

A double degree in food technology and nutrition and chemical engineering is a unique program offered by RMIT that opens up a world of possibilities. You will learn how to design the plant, the process and the product.

As a food industry professional, you will have the advantage of both food science and engineering skills, giving you an edge in developing a competitive product.

This degree is ideal if you are interested in:
- developing new products, design processes and packaging
- a broader range of roles in the food processing industry
- making processing industries work more efficiently.

Why double-up?

This program allows you to complete two degrees in a reduced amount of time and increases your employment prospects. You will interact with a wide range of relevant industries and broaden your career prospects.
RMIT prioritises practical learning environments. Throughout the program you will undertake several industry visits to learn about production processes. As part of this degree you must complete 12 weeks professional engineering work experience, usually between years three and four, which will give you the opportunity to put what you have learnt into practice and network with industry. Industry-based design or science projects are also a feature. In the final year you will undertake two major projects which are designed to put you in direct contact with industry and industry-related problems such as equipment performance problems or production efficiency and output.

WHAT YOU WILL STUDY
This degree provides you with in-depth studies of selected food science and chemical engineering courses. You will undertake several industry visits and complete 12 weeks professional engineering work experience between years three and four, giving you the opportunity to discover your future career options.

A design project and a science project will be the focus of your final year. These projects will give you important practice skills and the competitive edge in a wide range of industry roles.

CAREER OUTLOOK
Double degree graduates are highly employable as professionals with multidisciplinary qualifications who have a better understanding of the requirements of other team members. Industry recognises this, and statistics show that 90–100 per cent of RMIT graduates have found jobs in the first few months after completing their double degree.

Food processing is Victoria’s largest manufacturing industry and offers excellent employment opportunities for food and chemical engineers. RMIT graduates typically find employment in large food processing companies such as Nestlé, Cadbury, Simplot or Kraft. Many work in research and development; others move into marketing or quality assurance. Graduates have also secured managerial roles.

PROFESSIONAL RECOGNITION
Graduates are eligible for membership of the Australian Institute of Food Science and Technology (AIFST).

The Bachelor of Engineering (Chemical Engineering) degree is accredited by Engineers Australia and graduates are eligible to apply for graduate membership.

www.engineersaustralia.org.au

The Institution of Chemical Engineers (IChemE), based in London, is the primary international professional society for the chemical engineer. All RMIT chemical engineering degrees fully satisfy the requirement for accreditation at the (UK) MEng level.

GLOBAL OPPORTUNITIES
RMIT offers student exchange programs with the USA and Canada. Many students also spend a semester or two in food science and technology programs in England, Germany and other European countries.

You may also be interested in…
» Applied chemistry/chemical engineering (page 107)
» Chemical engineering/biotechnology (page 111)

MECHANICAL ENGINEERING
Associate Degree in Engineering Technology (Mechanical)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUD)</th>
<th>2014 ANNUAL FEE (AUD)</th>
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<tr>
<td>AD002</td>
<td>2 years</td>
<td>$24,960</td>
<td>$25,920</td>
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www.rmit.edu.au/programs/ad002

The Associate Degree in Engineering Technology (Mechanical) provides you with basic engineering skills including drafting, use of hand and power tools, and machine processes and manufacture. Electrical fundamentals, and the basic concepts of AC motors, electrical concepts and PLCs are covered, along with the use of CAD to produce complex drawings.

You are introduced to materials engineering which includes metals, composites, plastics and adhesives. You will learn the process used to construct objects from these materials and the external factors that can change the effectiveness of the materials.

Basic management techniques include organisational management, teamwork, leadership, and sustainability and environmental impacts.

You will build on your secondary school mathematics and lay the foundation for more advanced mathematics.

Year two
During second year, you will be able to specialise in either automotive/mechanical or aerospace engineering.

The automotive engineering/mechanical stream will include studies in thermo-fluids, while the aerospace stream introduces you to aerodynamics and aircraft systems and integration.

You will also be required to undertake an engineering project.

INDUSTRY CONNECTIONS
In the final semester you will undertake an engineering project.

Projects topics are developed by you with industry partners and your lecturers. You will be required to design, develop and present a product. Past projects have included:

» Design and development of a miniature gas powered F1 racing car. This car was designed using CAD/CAM software to analyse, manufacture, and test. At the completion of the project the vehicles were competitively raced.

» Using CAD/CAM processes to design, build and fly an unmanned aerial vehicle (UAV). This project culminated in a competition focusing on time of flight and flight control.

The engineering project is carried out either in conjunction with industry or simulates a real engineering work environment.

WHAT YOU WILL STUDY
Year one
Year one covers basic engineering skills including drafting, use of hand and power tools, and machine processes and manufacture.

Electrical fundamentals, and the basic concepts of AC motors, electrical concepts and PLCs are covered, along with the use of CAD to produce complex drawings.

You are introduced to materials engineering which includes metals, composites, plastics and adhesives. You will learn the process used to construct objects from these materials and the external factors that can change the effectiveness of the materials.

Basic management techniques include organisational management, teamwork, leadership, and sustainability and environmental impacts.

You will build on your secondary school mathematics and lay the foundation for more advanced mathematics.

Year two
During second year, you will be able to specialise in either automotive/mechanical or aerospace engineering.

The automotive engineering/mechanical stream will include studies in thermo-fluids, while the aerospace stream introduces you to aerodynamics and aircraft systems and integration.

You will also be required to undertake an engineering project.
CAREER OUTLOOK
Graduates will have diverse job opportunities in areas including mechanical design, aircraft systems and automotive manufacturing.
Areas of employment include the automotive industry, computer design and manufacture, high-speed automation, aviation and biotechnology, engineering and management consultancy.
You will also be well suited to a diverse range of middle management positions.

PROFESSIONAL RECOGNITION
Graduates are eligible to seek membership of Engineers Australia at the engineering officer level.
www.engineersaustralia.org.au

GLOBAL OPPORTUNITIES
You have the opportunity to apply for a one semester exchange with one of our partnered overseas universities.

PATHWAYS
Graduates of the Associate Degree in Engineering Technology (Mechanical) who achieve a grade point average (GPA) of 2.0 or greater are guaranteed entry with two years exemption (equivalent to 192 credit points) into the following programs:
- Bachelor of Engineering (Aerospace Engineering)
- Bachelor of Engineering (Automotive Engineering)
- Bachelor of Engineering (Mechanical Engineering)
Graduates with a GPA of less than 2.0 may apply, and if successful in gaining a place, may be eligible for exemptions.

YOU MAY ALSO BE INTERESTED IN...
" Civil engineering (page 114)
" Electrical/electronics (page 119)
" Network engineering (page 127)

MECHANICAL ENGINEERING
Bachelor of Engineering (Mechanical Engineering)

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<tr>
<td>BP066</td>
<td>4 years C</td>
<td>$30720</td>
<td>$31660</td>
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www.rmit.edu.au/programs/bp066

Mechanical engineering involves the conversion and control of energy and motion in machinery and systems.
Mechanical engineers apply knowledge of materials, structures, energy and management to solve technical problems.
They design, analyse and improve products as diverse as refrigerators, washing machines, solar water heaters, pumps, engines, compressors, wind turbines and air-conditioning systems.

INDUSTRY CONNECTIONS
You are expected to obtain a minimum of 12 weeks of relevant vacation employment that allows you to gain first-hand experience in a practical engineering environment working with professional engineers.
In the final year of your studies you will undertake a major project that is either industry based or simulates an industrial situation.

WHAT YOU WILL STUDY
In the first six semesters, you will study basic mechanical engineering and related courses aimed at developing competence in essential analytical problem-solving skills and design capabilities.
Courses dealing with professional practice include report writing and other communication skills and work modules on organisations, ethics, design and build activities, project management, occupational health and safety, and sustainability.
These courses support the development of leadership skills, initiative, self-reliance and personal and group organisation skills, and encourage a sense of group responsibility and accountability.
In the later stages of the degree, you are able to tailor your study program by specialising in the general field of mechanical engineering or other engineering areas and/or from other disciplines such as manufacturing, automotive, business, mathematics or computing.
The program offers specialisations centred on the following:
- computer-aided engineering and design
- industrial aerodynamics and computational fluid dynamics
- energy conservation and renewable energy
- mechatronics, dynamics and control.
The degree has strong design and analysis elements, and applies to specific industry problems.

CAREER OUTLOOK
Job opportunities exist in the design, manufacture and testing of Australian-built cars; the design, specification and installation of large air-conditioning systems; the design of materials handling systems in the packaging and mining industries; power generation; construction and maintenance in the petrochemical industry; the design of Victoria’s trains; computerised control in the pharmaceutical industry; the aeronautical industry; the implementation of new manufacturing methods in the electronics industry; the development of engineering computer software; research and development in industry and other technical institutions; technical sales in the marketing divisions of engineering companies; and engineering management in large and small organisations, both in Australia and overseas.

PROFESSIONAL RECOGNITION
The RMIT degree satisfies the requirements for graduate membership of Engineers Australia.
Graduates are thereby recognised as professional engineers in all member countries of the Washington Accord. Corporate membership may be gained after a period of approved professional experience. As a graduate of this degree, you may also be eligible to join professional bodies relevant to your area of specialisation.
www.engineersaustralia.org.au
www.washingtonaccord.org

PATHWAYS
Graduates of the Associate Degree in Engineering Technology (Mechanical) who achieve a grade point average (GPA) of 2.0 or greater are guaranteed entry with two years exemption (equivalent to 192 credit points) into the Bachelor of Engineering (Mechanical).
Graduates with a GPA of less than 2.0 may apply, and if successful in gaining a place, may be eligible for exemptions.

YOU MAY ALSO BE INTERESTED IN...
- Advanced manufacturing and mechatronics (page 105)
- Aerospace engineering (page 105)
- Automotive engineering (page 107)
- Mechanical engineering/management (page 126)
WHAT YOU WILL STUDY
The program includes core mechanical engineering and biotechnology courses. The electives on offer enable you to develop specialist skills in areas of particular interest to you.
Core courses in the program include engineering, science and design courses, and biotechnology courses such as engineering mechanics, chemistry principles, thermo-fluid mechanics, cell structures and functions, mechanical design, food microbiology, renewable energy systems, immunology, introduction to computational engineering, gene technology, engineering and enterprise, science project and professional engineering project. These project courses and some engineering design courses are frequently linked with industry.
Courses dealing with professional practice include report writing and other communication skills and work modules on organisations, ethics, design and build activities, project management, occupational health and safety and sustainability. These courses support the development of leadership skills, initiative, self-reliance, personal and group organisational skills and encourage a sense of group responsibility and accountability. The program offers mechanical electives centred on the following:
» computer-aided engineering and design
» industrial aerodynamics and computational fluid dynamics
» energy conservation and renewable energy
» mechatronics, dynamics and control.

CAREER OUTLOOK
Graduates of this double degree program will be well equipped to deal with the technical and professional challenges in the growing interface area of mechanical engineering and biotechnology.
It is expected that graduates will find employment in a variety of areas such as design, manufacturing and testing in both government and commercial institutions. Significant opportunities are anticipated in processing industries such as fermentation, food, cell products and vaccines both in Australia and overseas.

PROFESSIONAL RECOGNITION
Accreditation timelines are set by Engineers Australia. Provisional accreditation will be sought as soon as possible after the first significant intake of students. Full accreditation will be sought as soon as possible after the first significant cohort of graduates. Once fully accredited, graduates of the program will be eligible for graduate membership of Engineers Australia.

www.engineersaustralia.org.au
WHAT YOU WILL STUDY
The program includes core mechanical engineering and industrial design courses, and elective mechanical engineering courses. The electives offer you the opportunity to develop specialist skills in areas of your particular interest. Core courses in the program include engineering science and industrial design courses. Project courses and some engineering design courses are frequently linked with industry. Courses dealing with professional practice include report writing and other communication skills, and work modules on organisations, ethics, design and build activities, project management, occupational health and safety and sustainability. These courses support the development of leadership skills, team, self-reliance and personal and group organisation skills, and encourage a sense of group responsibility and accountability.

The program offers mechanical engineering electives centred on the following:
- computer-aided engineering and design
- industrial aerodynamics and computational fluid dynamics
- energy conservation and renewable energy
- mechatronics, dynamics and control.

CAREER OUTLOOK
The double degree in mechanical engineering and industrial design provides graduates with the technical and creative skills to engage at a professional level with the design and development of advanced manufactured products.

The program will provide strong work-integrated learning opportunities and will develop highly employable, work ready graduates. It is expected that graduates will find employment in a variety of areas within mechanical and industrial design including biomedical, automotive and electromechanical product design.

GLOBAL OPPORTUNITIES

Students in this program have opportunities for Study Abroad and student exchange. The option to link with a multinational organisation is available for final year projects.

PROFESSIONAL RECOGNITION

Accreditation timelines are set by Engineers Australia. Provisional accreditation will be sought as soon as possible after the first significant intake of students. Full accreditation will be sought as soon as possible after the first significant cohort of graduates. Once fully accredited, graduates of the program will be eligible for the professional membership of Engineers Australia. Note: the mechanical engineering single degree is already accredited by Engineers Australia.

www.engineersaustralia.org.au

PATHWAYS
You may be eligible for credit into other RMIT University programs after successfully completing this program. Such credits, if any, will be considered upon application to those other programs.

There are no articulation agreements with this double degree, however students with related qualifications in mechanical engineering or biotechnology may be considered for exemptions on a case-by-case basis. Your GPA will be considered as part of the application for advanced standing.

YOU MAY ALSO BE INTERESTED IN...
- Mechanical engineering (page 123)
- Industrial design (page 52)

MECHANICAL ENGINEERING/ MANAGEMENT
Bachelor of Engineering (Mechanical Engineering)/Bachelor of Business (Management)

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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<th>2014 ANNUAL FEE (AUS)</th>
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<td>5 years</td>
<td>$33,792</td>
<td>$34,848</td>
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</table>

www.rmit.edu.au/programs/bp068

Years one to three are conducted on the City campus and years four and five are shared between the City and the Bundoora campuses. The management component is studied on the City campus for all five years.

Mechanical engineering involves the conversion and control of energy and motion in machinery and systems. Mechanical engineers design, analyse and improve products as diverse as refrigerators, washing machines, solar water heaters, pumps, engines, compressors, wind turbines and air-conditioning systems. They apply knowledge of materials, structures, energy and management to the solution of technical problems.

Management involves the planning, organising, coordination and leading of the resources of organisations. The manager draws on technical skills as diverse as accounting and organisational behaviour, and builds on personal abilities including analysis and leadership.

INDUSTRY CONNECTIONS
You are expected to obtain a minimum of 12 weeks of relevant vacation employment that allows you to gain first hand experience in a practical engineering environment working with professional engineers.

In the final year of your studies you will undertake a major project that is either industry based or simulates an industrial situation.

WHAT YOU WILL STUDY
The degree consists of core mechanical engineering and management courses, and elective courses from the two disciplines. The electives offer you the opportunity to develop specialist skills in areas of particular interest to you.

Electives within mechanical engineering offer specialisations centred on the following main areas of project work, research and staff expertise:
- computer-aided engineering and design
- industrial aerodynamics and computational fluid dynamics
- energy conservation and renewable energy
- mechatronics dynamics and control.

The management elective is chosen from one of the following streams:
- human resource management
- international business
- entrepreneurship
- logistics and supply chain management
- accounting
- economics and finance
- marketing
- business information systems.

CAREER OUTLOOK

Job opportunities exist for graduates within the automotive, transport industries; petrochemical and mineral processing industries; energy supply; building services; defence forces; government; or general engineering and consultancy organisations.

This double degree gives graduates the management role soon after graduation.

PROFESSIONAL RECOGNITION

The RMIT degree satisfies the requirements for graduate membership of Engineers Australia. Graduates are thereby recognised as professional engineers in all member countries of the Washington Accord. Corporate membership may be gained after a period of approved professional experience. Graduates of this degree may also be eligible to join professional bodies relevant to their area of specialisation.

www.engineersaustralia.org.au
www.washingtonaccord.org

YOU MAY ALSO BE INTERESTED IN...
- Advanced manufacturing and mechatronics (page 105)
- Aerospace engineering (page 106)
- Automotive engineering (page 107)
- Mechanical engineering (page 123)
**MECHATRONICS AND INTERNATIONAL BUSINESS**

Bachelor of Engineering (Advanced Manufacturing and Mechatronics)/Bachelor of Business (International Business)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUS)</th>
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<tbody>
<tr>
<td>BP294</td>
<td>5 years</td>
<td>$33792</td>
<td>$34848</td>
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</table>

www.rmit.edu.au/programs/bp294

Years one, two and three are conducted on the City campus and years four and five are conducted on the Bundoora campus.

This five-year double degree combines the latest in mechatronics technologies, systems engineering and additive manufacturing with international business studies and high-level financial and economic analysis. You will learn to design, build and operate smart systems in aerospace, automotive, food processing and electronics industries and oversee the development of large-scale, global manufacturing facilities. You will also learn to perform high-level financial and economic analyses with a global perspective.

**INDUSTRY CONNECTIONS**

You will have the opportunity to undertake projects in industry both locally and overseas.

**WHAT YOU WILL STUDY**

Your study will cover the essential elements of both degrees.

**Year one**

In first year you will study a mix of courses in basic engineering sciences and business principles from which you build your knowledge foundation.

**Years two and three**

In the second and third years you will study courses that apply the foundation knowledge in focused areas such as electronics, computing, mechatronics, supply chain and marketing. At the end of the third year you will have a good understanding of the breadth of capabilities that you will need in order to practise as an engineering professional who will have responsibilities and work requirements on a global scale.

**Year four**

In fourth year you will study some of the details of engineering systems and processes which are required to enable you to work as an engineer. You will also study management skills that are essential for leading large-scale operations.

**Year five**

In the fifth year you will complete the engineering part of the double degree. The main focus in this year is your final year project that allows you to put what you learn into practice. You will demonstrate your engineering knowledge of creating new mechatronics systems and apply your business knowledge to explore new markets for your innovation.

**CAREER OUTLOOK**

Graduates from this double degree program will have qualification and skills in both engineering and marketing. Surveys in both industry and RMIT channels show that graduates from the engineering degree usually move to positions such as production manager, project manager and in some cases, director of operations. Graduates from the business degree are employed in multinational companies as executives in marketing, supply chain and procurement. Graduates with skills from both degrees are expected to advance their career more quickly due to their broader skills and knowledge.

**GLOBAL OPPORTUNITIES**

You are encouraged to apply to RMIT’s Education Abroad program to exchange with overseas universities such as Hong Kong Polytechnic University and Nanyang University of Aeronautics and Astronautics.

**PROFESSIONAL RECOGNITION**

The Bachelor of Engineering (Advanced Manufacturing and Mechatronics) degree is accredited by Engineers Australia and graduates are eligible to apply for graduate membership. Australian registered engineers are recognised and able to practise overseas through the Washington Accord.

www.engineersaustralia.org.au

www.washingtonaccord.org

**PATHWAYS**

Graduates of the Associate Degree in Engineering Technology (Mechanical) or equivalent, who have been successful in gaining a place, may apply for exemptions. Students with an engineering background from other countries will be considered on a case-by-case basis.

**YOU MAY ALSO BE INTERESTED IN...**

- Aviation/management (page 100)
- Aerospace engineering/management (page 106)
- Mechanical engineering/industrial design (page 125)
- Mechanical engineering/management (page 126)
- Advanced manufacturing and mechatronics (page 105)
- International business (page 59)

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**NETWORK ENGINEERING**

Associate Degree in Engineering Technology (Network Engineering)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<td>AD008</td>
<td>2 years</td>
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</table>

www.rmit.edu.au/programs/ad008

Network engineers design, install and analyse computer systems and networks. They can also work with an existing network to ensure it remains effective and capable of meeting new requirements. This program will give you the theory and practical skills to work in networking, internetworking, IP telephony, network design and network security as a technical officer, network engineer or network support officer. This associate degree also provides you with a pathway into a relevant bachelor degree to further strengthen your analytical and practical skills.

**INDUSTRY CONNECTIONS**

In the final semester you will undertake an engineering project.

Project topics are developed by you with industry partners and your lecturers. You will be required to design, develop and present a product. Past projects have included a network infrastructure upgrade and rollout operation of an enhanced computer system.

The engineering project is carried out either in conjunction with industry or simulates a real engineering work environment.

**WHAT YOU WILL STUDY**

**Year one**

Year one introduces you to computer architecture and the concepts and application of computer systems.

Networking fundamentals, internetworking technologies and transmission media teach you skills in the application and design of local area networks (LAN) and wide area networks (WAN), different types of transmission media. You will also develop skills in embedded systems, including digital logic analysis and design techniques, C programming techniques and microprocessor fundamentals.

The installation, configuration and administration of network operating systems are also covered.

**Year two**

In second year you will start to specialise in a number of areas including scalable internet architecture, network infrastructure, network security, embedded internetworking and voice and video over Internet Protocol (VoIP).

Network security introduces you to the concepts of network security, including cryptography, network traffic monitoring and intrusion detection systems, firewalls, IP spoofing protection and wireless security.

Embedded internetworking gives you the knowledge to connect embedded systems to the internet.

Voice and video over IP networks covers the delivery mechanism of voice and video streams over IP networks.

You will also undertake an engineering project.
PHYSICS/ELECTRONIC AND COMMUNICATION ENGINEERING

Bachelor of Science (Physics)/Bachelor of Engineering (Electronic and Communication Engineering)

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<td>5 years</td>
<td>$33792</td>
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www.rmit.edu.au/programs/bp007

This double degree will provide you with the skills to create products and services using electromagnetic, electro-optic and electronic devices, and make them smart by applying computer hardware and software.

You will work towards developing products and services that improve:

» people’s quality of life
» business and industry profitability and competitiveness
» government service delivery effectiveness.

Examples of products and services you will develop include computers; smart mobile communication devices and networks; digital TV and radio broadcast; optical fibre networks for high-speed internet services; flight control and safety systems for aircraft, radar and navigation aids for land, sea and air transport; high-resolution scanners and nanotechnology devices for medical diagnosis and treatment; communication, navigation, scientific and Earth/space observation satellites.

Why double-up?

This double degree is designed to produce physicists and engineers who have the potential to be leaders in their professions. Graduates are keenly sought after by business, industry and government organisations.

INDUSTRY CONNECTIONS

In addition to the compulsory 12 weeks of work experience, you will have the opportunity to complete industry-sponsored projects. Final year students can apply for summer research scholarships.

WHAT YOU WILL STUDY

In the physics component of this double degree, you are trained in the fundamentals and applications of natural phenomena (e.g. quantum mechanics, thermodynamics, nuclear physics, astrophysics and cosmology).

In the earlier years of the engineering component you will learn the fundamentals of electronic and communication engineering. You will also develop basic teamwork and leadership skills. In the later years you will take advanced courses in your specialisation, and consolidate your design, teamwork, leadership, business, management and communication skills.
You will also learn to protect, restore and create engineered and natural systems that are socially, environmentally and economically sustainable.

Sustainable systems engineering covers a range of engineering areas and explores ways of combining capabilities to solve technical challenges.

The program offers three specialisations:

- Sustainable energy systems.
- Sustainable transport systems.
- Sustainable logistics systems.

**INDUSTRY CONNECTIONS**

You will take part in specific courses that focus on work-integrated learning (WIL). Professional projects part 1 and 2 will connect you directly with industry. You will be assessed on the professional or vocational tasks in your workplace setting (real or simulated) and receive feedback from relevant industry partners.

You will also be expected to undertake at least 12 weeks of work experience in a professional engineering environment. Most students do this in the third and fourth year of study.

**WHAT YOU WILL STUDY**

The first two years of the program are focused on the development of a sustainable systems approach and bring together the fundamentals of engineering sciences, mathematics, engineering design, and engineering professional practice.

In the later years of the program, specialist elective courses are offered in transport, energy or logistics. The program is designed to provide you with a number of opportunities for industry interaction, including with the academic teaching staff, who are experienced engineering practitioners with expertise in the above mentioned specialisations.

RMIT is committed to providing you with an education that strongly links formal learning with workplace experience. This program is designed with a unique program structure, incorporating a continuous thread of systems thinking and sustainable design.

The program aims to produce engineers that are not only able to design, implement and operate increasingly diverse processes, but are also able to minimise the overall costs of industrial activities to society and the natural environment.

**Year one**

- Whole of systems thinking
- Engineering mathematics C
- Introduction to programming
- Engineering design for sustainability
- Further engineering mathematics C
- System engineering principles
- Environmental chemistry 1A fundamentals
- Thermo-fluid mechanics 1

**Year two**

- Sustainable systems design
- Statistics 1
- Circuit theory
- Engineering design 1
- System dynamic modelling
- Energy and Earth’s environment
- Thermo-fluid mechanics 2
- Introduction to embedded systems

**Year three**

Select one from:

- Sustainable engineering practices
- Sustainable engineering materials
- Systems reliability and support
- System characterisation and simulation
- Systems operation

Select one from:

- Electrical systems
- Transport engineering 1
- Mechatronics design

Plus

- Two student electives

**Year four**

- Professional project part 1
- Professional project part 2
- Infrastructure management

Plus

- One student elective

Select one group from the following:

**Group one—Sustainable energy systems**

- Thermo-fluid mechanics 3
- Renewable energy systems
- Electrical energy systems
- Remote area power supply

**Group two—Sustainable transport systems**

- Transport engineering 2
- Vehicles, innovation and society
- Spatial information science 3
- Infrastructure planning and evaluation

**Group three—Sustainable logistics systems**

- Manufacturing management
- Advanced supply chain management
- Resource modelling
- Work systems design

**CAREER OUTLOOK**

With climate change a matter of national and international importance, more emphasis is being placed on sustainability in human-developed systems. Meeting these needs and associated challenges in the future will require a comprehensive sustainable design approach, with a focus on whole-of-system requirements and the lifecycle context. Therefore the need for engineering graduates with the ability to handle sustainable systems development is growing rapidly.

You will approach industry problems from a holistic point of view and develop engineering solutions that are optimised as a system and comply with regulatory guidelines. You will also take up leading roles in the building of new business opportunities that demand sustainable systems solutions.

Graduates will be employable and effective sustainable systems engineers in a national and international context.

**GLOBAL OPPORTUNITIES**

The program will introduce significant use of a work-integrated learning environment and experiential learning. Industry placement will be built into the program, including international placement and exchanges with similar overseas programs.

**PROFESSIONAL RECOGNITION**

Accreditation is still being sought from Engineers Australia. Once fully accredited, graduates of the program will be eligible for graduate membership of Engineers Australia.
REHABILITATE OUR EARTH

‘I would recommend RMIT to those who are interested in environmental science and want to make a difference to protect our natural environment.

‘The degree itself is not only based on the theoretical aspects of the science, but also focuses on the practical side of it. Lecturers are extremely supportive and helpful.’

Khemaksone Phetpasak
Bachelor of Environmental Science

VIDEO LINK

Meet RMIT graduate Kate Greenwood, whose Urban and Regional Planning program took her to Nepal to develop and construct buildings for a local community and landed her a job with leading company Urbis.

Scan this code to watch the online video
Environment and Planning

Sustainability issues are challenging societies in urban and rural areas all over the world. Tackling these environmental issues requires a multidisciplinary approach.

RMIT offers you a range of exciting programs that explore the different aspects of environmental sustainability, including:

- conservation and land management
- environment—social science
- environmental engineering
- environmental science
- geospatial science
- planning
- surveying.

Many of these programs include hands-on experience through field studies and excursions conducted in association with industry, government and environmental agencies.

Will you find solutions where others see only problems?

VIETNAM PROJECT

Since 2002, the Vietnam project has sent a team of 12 students from RMIT’s environmental degrees to work on a relevant environment project in Ho Chi Minh City.

Students from environmental engineering, environmental science and environment (social science) degrees are selected through a competitive process and form the nucleus of a small multidisciplinary environmental consultancy.

Working in consultation with architects, site engineers and industry specialists, you will investigate development issues in and around the city.

Practical involvement in an international project gives you an understanding of professional interaction in a cross-cultural context, an appreciation of working within an interdisciplinary team, and a general initiation into a skilled working environment. You will learn to liaise with professionals representing various fields, and the importance of teamwork.

www.rmit.edu.au/appliedsciences/vietnam
WHAT YOU WILL STUDY

Year one
In first year you will study plant identification and ecology and learn underpinning skills related to site assessment and revegetation, as well as communication skills specifically related to the industry.
You will also learn the skills to conduct wildlife surveys and present your data using the appropriate format for the industry.

Year two
During second year, you will study a sequence of courses related to the monitoring and management of water.
You will also continue to undertake biological survey work. This includes areas related to the study of Indigenous and cultural heritage issues and how these relate to land management.
This is taught in collaboration with Indigenous elders and community members, and includes an extended field trip to western Victoria, where you will have the opportunity to work alongside Indigenous land care workers.

TEACHING METHODS
Classes are taught in a combination of lecture, seminar, tutorial, workshop, practical and fieldwork sessions.

CAREER OUTLOOK
Graduates of the program are employed in a wide range of roles such as park rangers or members of bush crews.
They work with organisations involved in conservation and land care, including local government organisations, local area management committees, Parks Victoria and the Department of Sustainability and Environment.

PATHWAYS
Graduates of the Diploma of Conservation and Land Management who are successful in gaining a place are eligible to apply for exemptions of up to one year (96 credit points) from the Bachelor of Applied Science (Environmental Science).

YOU MAY ALSO BE INTERESTED IN...
» Environmental science (page 134)
» Geospatial science (page 155)
WHAT YOU WILL STUDY

Year one
To understand the changing world we live in, you are introduced to the concepts of sustainability, environmental philosophy, politics, economics and ecology.

Year two
To implement change, you will learn to use tools such as environmental management systems, impact assessment and resource planning.

Year three
In your final year, you will draw on all these experiences when undertaking research for external environmental agencies, and undertake a work placement. There is also the opportunity to do project work in Vietnam.

CAREER OUTLOOK

Graduates readily find employment in a wide range of occupations and organisations, including commonwealth, state and local governments, consulting firms, community organisations and a range of private and public businesses in metropolitan and rural areas, both in Australia and overseas.

Employers value the practical research skills that RMIT environmental graduates attain.

Career prospects are improved by completing the final-year group research project. These projects enable you to work with organisations involved in environmental action and policy creation. Final year work placements often lead to full-time work on graduation.

PROFESSIONAL RECOGNITION

Graduates are eligible for membership of the Environment Institute of Australia and New Zealand.

GLOBAL OPPORTUNITIES

Strong ties have been built up with environment programs at highly regarded universities in Canada, China, Finland, the Netherlands, the Philippines and Sweden.

In final year there is also an opportunity to undertake a team research project in Vietnam.

YOU MAY ALSO BE INTERESTED IN...

- Environmental science (page 134)
- Environmental science/environment (page 135)
- Environmental science/management (page 136)

ENVIRONMENTAL ENGINEERING

Bachelor of Engineering (Environmental Engineering)

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<td>4 years</td>
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www.rmit.edu.au/programs/bp056

Environmental engineers apply engineering concepts and technical skills to:
- preserve the environment
- minimise water, soil and air pollution
- assess environmental impacts of engineering projects
- develop remediation measures for environmental degradation
- deliver sustainable solutions through engineering processes.

RMIT’s environmental engineering program allows you to specialise in civil, groundwater, or chemical engineering.

Environmental engineers design systems to:
- improve water quality
- develop cleaner production technologies in agriculture
- undertake rehabilitation of mining sites and contaminated land
- work on land salinity problems
- prepare environmental impact studies.

Strong groundwater and hydrogeology is a focus of this program.

INDUSTRY CONNECTIONS

You will undertake 12 weeks vocational work as a component of your final year workplace project.

A special feature of the RMIT environmental degree is the integration of learning activities with many site visits.

Laboratory-based activities cover mini research projects, developing innovative solutions for waste products such as generating bio-gas from waste from water treatment plants, and using fly ash in water treatment.

There is also an opportunity to undertake a team research project in Vietnam.

WHAT YOU WILL STUDY

In the first year, you are introduced to the basic skills in mathematics, environmental science, chemistry and engineering practices. Two of the engineering practice courses offer students the opportunity to engage in a multidisciplinary project offered by Engineers Without Borders, whereby you will work in teams to learn about environmental principles and sustainable design.

Fundamental computer-aided design mapping skills and other basic computing skills are also introduced in year one. Geology courses develop skills in site investigations, undertaken through a number of site visits.

In year two, a basic grounding in environmental engineering is offered through courses such as water engineering, urban systems of water supply, geological site investigations and pollution control. From year two, you will also select courses from the selected major.

In third year you will learn about ground water, land contamination and remediation, wastewater treatment and recycling and urban systems two, which explores environmental design aspects of selected urban systems.

In the fourth and final year, you will engage in an integrated workplace project, undertaken as individual projects sourced from industry, and also learn about environmental ethics, policies and law.

TEACHING METHODS

The teaching and learning program comprises lectures, tutorials, laboratory classes, site visits, mini research projects and integrated workplace projects, and offers you the opportunity to work in teams to develop solutions for environmental issues.

CAREER OUTLOOK

Environmental engineering graduates have a great opportunity to make a real difference to our world by introducing sustainable practices to preserve the environment, remEDIATE environmental disasters, and prepare the community for adverse effects of climate change.

Recent graduate destination data indicates 100 per cent employment for RMIT environmental engineering graduates. Graduates are currently employed in senior positions in VicRoads, Department of Sustainability and Environment and in many other organisations. Many environmental engineers work as consultants on a variety of different projects in Australia and overseas.
In this environmental science program you will:
- management, instrumental analysis or geospatial
- environmental engineering, environmental biology, and the other can be chosen from
- environmental chemistry or environmental biology before you specialise in two areas
- environments before you specialise in two areas
- You will learn in detail about the processes
- (atmosphere, hydrosphere, lithosphere and biosphere).

This environmental science program is concerned with the evaluation and management of all aspects of the environment (atmosphere, hydrosphere, lithosphere and biosphere).

One of the specialisations will be either environmental chemistry or environmental biology, and the other can be chosen from environmental engineering, environmental management, instrumental analysis or geospatial science.

In this environmental science program you will:
- gain considerable hands-on experience with equipment, both in the laboratory and in the field.
- take part in usually 2–3 field trips per semester.
- be given the opportunity to work on collaborative projects with industry, generally in small teams.

WHAT YOU WILL STUDY

Year one
You will study chemistry and biology related to the environment, the processes involved in the development of the Earth, statistics, scientific communication, and ideas of environmental thought and action. There are a number of excursions during the year, including a weekend trip to French Island.

Year two
You will choose your two specialisations. All students study processes that occur in the natural environment and attend several excursions per semester.

Year three
You will continue with your specialisations and explore processes occurring in degraded environments. In first semester you will undertake a week-long field trip and learn how to work effectively in teams on a set project. Currently this project takes place in Lakes Entrance (Victoria) investigating the health of a local river and lake. In the second semester, you will work in a team on a science project of your choice, generally with an industry partner.

As an alternative to the science project, you may apply to be part of the Vietnam project described above, or attend an excursion to Lizard Island in Queensland.

WHAT YOU MAY ALSO BE INTERESTED IN...
- Civil and infrastructure engineering (page 113)
- Environmental science (page 134)
- Environmental science/environmental engineering (page 135)
Bachelor of Environmental Science/Bachelor of Social Science (Environment)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Duration</th>
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<td>4 years</td>
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</table>

www.rmit.edu.au/programs/bp193

Do you enjoy the physical and biological sciences but also want to use scientific knowledge to make a difference?

No other degree in Victoria enables students to combine environmental science with environmental policy making and management. With the emergence of the green economy across the world this combination offers exciting career possibilities as scientists, policy makers, environmental activists or private consultants.

This program combines classroom, laboratory and fieldwork. With an understanding of both scientific and social theory, you will engage in a number of real-life projects, using practical experience to reconsider theoretical concepts.

INDUSTRY CONNECTIONS

A formal work placement of approximately 20 days is undertaken in the final semester of the degree. RMIT finds paid work for students at a variety of environmental and other organisations. You will undertake tasks relating to environmental management, identifying community needs, environmental planning and environmental reporting. Additional work-related experience occurs through consultant projects, especially in the final year.

WHAT YOU WILL STUDY

Year one

In first year, you will cover the fundamentals of the environmental sciences together with the histories and philosophies of contemporary environmental movements.

Year two

As a second-year student you will study social science subjects that inform sustainability practices. You will be introduced to key economic concepts, how environment systems work and how they might be better managed.

There is the opportunity to study overseas at a university in north-west Europe where progressive environmental practices have been widely adopted, or in Asia where there is a need to adopt them.

Year three

In third year you engage in policy formulation, writing and implementation. You will be able to specialise in either applied chemistry, ecology or geospatial science.

Year four

Your skills and knowledge are brought together through client-based projects, field-based projects and a work placement centred on real-life environmental problems. Electives in substantive sub-fields of environment such as agriculture, catchment management, planning and ecotourism are available.

There is also an opportunity to do project work in Vietnam.

CAREER OUTLOOK

Graduates find employment in a wide range of occupations and organisations, including commonwealth, state and local governments, consulting firms, community organisations and a range of private and public businesses in metropolitan and rural areas, both in Australia and overseas.

PROFESSIONAL RECOGNITION

Graduates are eligible for membership of the Environment Institute of Australia and New Zealand.

GLOBAL OPPORTUNITIES

Strong ties have been built up with environment/environmental science programs at highly regarded universities in Canada, Finland, the Netherlands, the Philippines and Sweden. In final year there is also an opportunity to undertake a team research project in Vietnam.

YOU MAY ALSO BE INTERESTED IN...

» Environmental science (page 134)

» Environmental science/management (page 136)

ENVIRONMENTAL SCIENCE/ENVIRONMENTAL ENGINEERING

Bachelor of Environmental Science/Bachelor of Engineering (Environmental Engineering)

<table>
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<tr>
<th>Course Title</th>
<th>Duration</th>
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<td>5 years</td>
<td>$28,800</td>
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www.rmit.edu.au/programs/bp235

This program combines the essential elements of environmental science (understanding the interactions in the environment) with environmental engineering (designing solutions to environmental problems).

You will gain a thorough understanding of environmental processes and the ability to develop and implement waste minimisation and remediation strategies.

The program offers:

» considerable hands-on experience with laboratory and field equipment

» field trips as an integral part of the learning process

» the opportunity to work on collaborative projects with industry.

Why double-up?

A graduate of the double degree between environmental science and environmental engineering is uniquely placed to obtain work in a variety of workplaces, having the understanding of the science together with the ability to design solutions.

INDUSTRY CONNECTIONS

Regular field trips involving teamwork and the use of instrumentation are often carried out in association with industry.

You will also be required to undertake 12 weeks of professional engineering work experience, usually between years three and four. This will give you a better understanding of workplace practices, and is a great opportunity to identify specific areas that interest you.

There is also an opportunity to work in Vietnam, at RMIT’s campus in Ho Chi Minh City. Each year 12 students are selected from RMIT’s environmental degrees to be part of an exciting two-week project. Students work as a team of consultants to identify solutions for real problems such as flooding and air pollution.

There is also an opportunity to undertake a team research project in Vietnam.

WHAT YOU WILL STUDY

In first year, students concentrate on fundamentals in environmental science, chemistry, biology, mathematics and engineering practices.

Second and third year studies integrate courses in environmental science and engineering. In the fourth year an environmental science project is undertaken with an industry partner.

Fifth year concentrates on advanced topics in environmental science and engineering, and has engineering based work-integrated projects.

CAREER OUTLOOK

The training and the experiences provided at RMIT are modelled on the type of work likely to be required after graduation. This makes RMIT graduates in environmental science/environmental engineering highly employable.

A graduate in both science and engineering stands in a unique place, straddling both worlds, which makes them very much in demand.

Graduates can work in corporate or industrial sectors, or in government agencies. They can work as consultants designing innovative environmental products, as well as resolving existing environmental problems through the application of both their environmental science and engineering skills.

PROFESSIONAL RECOGNITION

All graduates will be eligible for membership of Engineers Australia and the Environment Institute of Australia and New Zealand. Those with sufficient chemistry may apply to the Royal Australian Chemical Institute for membership.
GLOBAL OPPORTUNITIES
A number of students undertake a semester at an overseas university. Recent students have studied in Denmark (Technical University of Denmark), Canada (Concordia), Sweden (Lund University), Holland (Delft University of Technology) and the USA (Buffalo State University).

YOU MAY ALSO BE INTERESTED IN...
- Environment (page 132)
- Environmental science (page 134)
- Environmental science/environment (page 135)
- Environmental science/management (this page)

ENVIROnMEnT and pLannIng
Bachelor of Environmental Science/Bachelor of Business (Management)

<table>
<thead>
<tr>
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<td>4 years</td>
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www.rmit.edu.au/programs/bp161

This double degree will provide you with thorough knowledge of both environmental science and business management principles and practices. Environmental science graduates, particularly those working in consulting firms, need a sound knowledge of management principles to implement environmental policy. The program offers:
- considerable hands-on experience with equipment both in the laboratory and in the field
- field trips as an integral part of the learning process
- the opportunity to work on collaborative projects with industry, generally in small teams.

Why double-up?
Companies have to be accountable for their environmental impact and need environmental management plans. This program combines an understanding of business management with a sound knowledge of the environment. It represents an attractive package for prospective employers. Double degree graduates gain further skills and knowledge that will extend their opportunities into future management positions.

INDUSTRY CONNECTIONS
All students engage with industry in their final year project, both in environmental science and in business. Regular field trips are a feature of the degree and are often carried out in association with industry. In the third year you have the opportunity to work with a range of environmental agencies and consultancies.

One of the options is the chance to work in Vietnam, at RMIT’s campus in Ho Chi Minh City. Each year 12 students are selected from RMIT’s environmental degrees to be part of an exciting two-week project. Students work as a team of consultants to identify solutions for real problems such as flooding and air pollution.

There is also an opportunity to undertake a team research project in Vietnam.

WHAT YOU WILL STUDY
Double degree students study the same environmental science courses as the single degree environmental science students, but only choose one major field of science study. At the same time, they choose electives in business leading to specialisation in areas such as accountability, human resources, management, marketing and public administration.

CAREER OUTLOOK
Graduates find work in diverse settings including environmental consultancies, analytical services for site assessment and remediation, recycling and treatment companies and forestry, mining and service industries. These days, private companies have to be responsible for their environmental processes and employ professionals with business skills to manage their performance.

PROFESSIONAL RECOGNITION
All graduates will be eligible for membership of the Environment Institute of Australia and New Zealand. Those with sufficient chemistry may apply to the Royal Australian Chemical Institute for membership. The program is accredited by the Australian Institute of Management.

GLOBAL OPPORTUNITIES
A number of students undertake a semester at an overseas university. Recent students have studied in Denmark (Technical University of Denmark), Canada (Concordia), Sweden (Lund University), Holland (Delft University of Technology) and the USA (Buffalo State University).

YOU MAY ALSO BE INTERESTED IN...
- Environment (page 132)
- Environmental science (page 134)
- Environmental science/environment (page 135)
- Environmental science/management (page 135)

GEOSPATIAL SCIENCE
Bachelor of Science (Geospatial Science)

<table>
<thead>
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<th>RMIT CODE</th>
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www.rmit.edu.au/programs/bp067

Please refer to page 155 for program details.

URBAN AND REGIONAL PLANNING
Bachelor of Urban and Regional Planning

<table>
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<th>RMIT CODE</th>
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www.rmit.edu.au/programs/bp188

Urban and regional planning is about more than just creating physical environments – it is a way of sustainably changing and shaping the world. You will learn to understand all the influences that affect the way we live, and the many considerations that go into creating sustainable and liveable cities and regions. This program is suitable for anyone with a passion for geography, urban design, history, economics, politics or environmental studies. While the program focuses on Melbourne and its surroundings, you will be introduced to planning practices across the world. You will also be involved in many real-life projects with leading practitioners.

INDUSTRY CONNECTIONS
In fourth year, students undertake 60 days of paid employment. Potential employers provide RMIT with position descriptions, from which students select. There are competitive interviews involved, as there are usually more placement offers than students. The types of work include strategic planning, statutory planning and social planning in either local or state government or the private sector. The work placements often convert to full-time work upon graduation.

WHAT YOU WILL STUDY
Year one
To understand the foundations of urban and regional planning, you will cover the origins and development of planning principles and practices in the context of a wider study of Australian society, politics and economics.

Year two
In second year there is a focus on contemporary planning policies, together with social science research methods, planning law, urban design and climate change.
Year three
You will be able to specialise in different areas of practice: rural, transport and social planning, and planning at local government.

Year four
In your final year you will undertake a 60-day, paid work placement. You will also undertake studies in urban design, property development, structure planning and planning theory. You will finish by writing either a major, small-group planning report on a topic of your choosing or an individual thesis.

CAREER OUTLOOK
Planning graduates secure jobs and have ample opportunity for early career promotions. Many start in local government, or find work with private sector planning consultancies and property developers.
Graduates can also build careers in areas such as urban design, community health and welfare, housing, and transport planning. Many RMIT planners work overseas.

PROFESSIONAL RECOGNITION
The RMIT planning degree is recognised by the Planning Institute of Australia (PIA). RMIT students are eligible for student membership. PIA has mutual recognition of membership status with the New Zealand Planning Institute (NZPI) and Canadian Institute of Planners/Institut Canadien des Urbanistes (CIP).

GLOBAL OPPORTUNITIES
Students can study for a semester overseas in second year in countries with progressive planning systems such as Canada, Finland, the Netherlands and Sweden. Over the last 25 years more than 150 students have taken up this opportunity.

YOU MAY ALSO BE INTERESTED IN...
- Environment (page 132)
- Landscape architecture (design) (page 37)
- Project management (page 38)

SURVEYING
Bachelor of Applied Science (Surveying)

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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www.rmit.edu.au/programs/bp089

Please refer to page 159 for program details.
I loved the idea of studying overseas. You learn from being in a different culture and you depend more on yourself.

Melbourne is the best city to live in and RMIT University is a great place to be educated. The number of international students allows you to exchange viewpoints and learn about different cultures. It is amazing how RMIT can provide teaching styles to suit so many different people.

‘After studying at one of the best universities in Australia, I know that I am ready to join the workforce and bring new ideas to my workplace.’

Hussain Safar
Master of Biotechnology (Clinical Microbiology)
Graduate of the Bachelor of Applied Science (Laboratory Medicine)*

* Program has been renamed Bachelor of Biomedical Science (Laboratory Medicine) (Graduated 2010)
Health and medical sciences

RMIT’s diverse range of health, medical and wellbeing programs focus on providing practical solutions to health issues impacting society. Many programs include hands-on industry placements, student clinics and work experience opportunities in Australia and overseas.

Fully accredited by relevant bodies, all programs are influenced by strong advisory committees of practising professionals. RMIT develops health practitioners whose skills are valued both within Australia and throughout the world.

You can choose from:

- biomedical science
- complementary medicine
- exercise and sport science
- laboratory medicine
- medical radiations
- nursing
- pathology testing
- pharmaceutical sciences
- pharmacy
- psychology.

You can improve the health and healing of communities.

VIDEO LINK

Brayden Geary completed the Bachelor of Applied Science (Medical Radiations—Radiation Therapy) and now works as a radiation therapist at Peter MacCallum Cancer Centre in Melbourne.

Scan this code to watch the online video.
WHAT YOU WILL STUDY

Year one
You will learn to practise with patients from across the lifespan in a range of environments. In first year the focus is on rehabilitation, aged care and mental health.
Basic anatomy and physiology are introduced, along with first aid training and wound management, including dressing application and wound care.
Patient assessment is taught in mock wards using simulated manikins. OH&S, infection control and first aid are also taught.
You will also undertake six weeks of clinical placements.

Year two
Second year will build on the skills and knowledge of first year.
Your analytical skills will be developed as you learn to help care for patients with acute and chronic conditions. You are also introduced to medication and intravenous administration.
The implementation of nursing care plans is taught, along with how to evaluate the care provided.
There is a greater focus on community care, mental health, aged care and medical/surgical nursing skills.
Cultural diversity and how to cope with challenging behaviour is also covered.
You will also complete four weeks of clinical placements.

ASSESSMENT
Assessment is ongoing throughout the semester and may include examinations, essays/reports, oral class presentations, case studies, laboratory and clinical placement assessment and practical assignments.

CAREER OUTLOOK
There is a major demand for enrolled nurses in the healthcare sector. Graduates can work in:
» acute (hospital) care
» medical centres
» mental health
» rehabilitation
» palliative care
» aged care settings.

The Diploma of Nursing is a national qualification, allowing you to work anywhere in Australia when registration is granted by the Australian Health Practitioner Regulation Agency (AHPRA).
This program also gives you a pathway into the Bachelor of Nursing degree.

INDUSTRY CONNECTIONS
Supervised clinical placements provide an excellent opportunity to reinforce the theory and skills learnt in class.
During first year, you will undertake six weeks of practical placement in aged care, rehabilitation centres and mental or community health settings. In second year you will spend four weeks on placement in acute (hospital) care and either palliative care or a community setting.
Competency of clinical skills is mandatory to be granted registration by the professional body AHPRA.

PATHWAYS
Graduates of the Diploma of Nursing (Enrolled/Division 2) who are successful in gaining a place are eligible to apply for exemptions of up to one year (96 credit points) from the Bachelor of Nursing.

YOU MAY ALSO BE INTERESTED IN...
» Nursing (registered) (page 147)
» Pathology testing (page 140)

PATHOLOGY TESTING
Diploma of Laboratory Technology (Pathology Testing)

INDUSTRY CONNECTIONS
You will undertake 20 days of work experience during second year, organised by RMIT. This provides you with an opportunity to gain a greater understanding of the industry and to develop your laboratory skills in an area that also requires teamwork, attention to quality control and working to timelines.
You may be placed in a variety of work environments, ranging from small research laboratories to large pathology companies.
WHAT YOU WILL STUDY

Year one
The first year provides you with a foundation in chemistry, maths, biology, scientific communication, computing, biochemistry and occupational health and safety.

You will learn general laboratory skills such as microscopy, aseptic techniques, chemistry techniques and the use of laboratory instruments. Labs have latest industry standard equipment and there is ample opportunity for you to gain hands-on experience.

In chemistry you will become skilled at preparing solutions that meet strict quality control standards. You will use specialised equipment, and learn to work safely with potentially dangerous chemicals.

Year two
The second year involves more specialised study in the major diagnostic areas relevant to a pathology lab. These include haematology, microbiology, histology and clinical chemistry, as well as quality assurance.

You will learn the skills to undertake blood counts, test levels of chemicals in blood, identify bacteria using a microscope and culture methods, as well as how to prepare thin slices of liver and other tissues to examine microscopically. All of these tests aid in the diagnosis of all types of diseases.

TEACHING METHODS

Classes are taught in a combination of lecture, workshop, practical and laboratory sessions.

CAREER OUTLOOK

There is a high demand for technicians to work in pathology laboratories in both public hospitals and the large private pathology providers such as Gribbles, Dorevitch and Melbourne Pathology.

PROFESSIONAL RECOGNITION

Students are eligible for student membership of the Australian Society for Microbiology and the Australian Institute of Medical Laboratory Scientists, and upon graduation are eligible for associate membership.

PATHWAYS

Graduates of the Diploma of Laboratory Technology (Pathology Testing) who are successful in gaining a place are eligible to apply for exemptions of up to one year (96 credit points) from the following programs:
- Bachelor of Applied Science (Laboratory Medicine)
- Bachelor of Biomedical Science (Pharmaceutical Science)
- Bachelor of Science (Biotechnology).

YOU MAY ALSO BE INTERESTED IN...
- Applied science (page 158)
- Biotechnology (TAFE) (page 152)

ASSOCIATE DEGREE, BACHELOR DEGREE AND DOUBLE DEGREE

BIOMEDICAL SCIENCE

Bachelor of Biomedical Science

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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www.rmit.edu.au/programs/bp231

This flexible program allows you to select specialist electives in your final year on topics like cell biology, biochemistry, molecular biology, physiology and anatomy, pathology and microbiology.

The program emphasises vocational skills, and uses the latest technology in modern, well-equipped laboratories. You will have access to excellent online and support facilities.

Biomedical science forms the basis of our understanding of how human and animal bodies function, and the responses of the body to various diseases, exercise, diet, internal disturbances and environmental influences.

If you are interested in learning more about genetic engineering, cancer, the role of cells across body systems, neuroscience, DNA profiling or using stem cells, a career in biomedical science research could be perfect for you.

INDUSTRY CONNECTIONS

As part of the program, you are able to gain experience in a university research laboratory or a professional organisation during your third year. Together with associated coursework, this will be for a period of 120 hours. Students have previously worked in research and analytical laboratories in universities, hospitals and industry.

WHAT YOU WILL STUDY

You will be able to select electives within the degree to meet your individual needs. All areas provide a strong foundation for progression into research and other health-related careers.

Year one

One of the strengths of the degree is a first year curriculum that covers areas such as chemistry, human biology, cell biology, genetics, microbiology and immunology and statistics.

Year two

In year two, you will study biochemistry, human physiology, cell biology, anatomy and, depending on your area of specialisation, you may choose electives in microbiology or histology.

Year three

In year three you have a choice of studying a selection of molecular biology, biochemistry, cell biology, anatomy, pathology, microbiology and advanced physiology.

You will also undertake a short research project or work experience as part of your studies.

CAREER OUTLOOK

Graduates can expect to find employment in the following areas:
- Research in universities, hospitals and biomedical research institutes.
- Medical and pharmaceutical research, public and private diagnostic centres, therapeutic and research laboratories, as well as in applied health areas such as health promotion and administration.
- Postgraduate entry into medicine, veterinary science.

PROFESSIONAL RECOGNITION

Depending on the courses chosen in the final year of study and meeting specific criteria, you may be eligible to apply for membership of the following societies:
- Ausbiotech
- Australasian Society for Human Biology (ASHB)
- Australian and New Zealand Society for Cell & Developmental Biology (ANZSCDB)
- Australian Association of Clinical Biochemists (AACB)
- Australian Physiological Society (AUPS)
- Australian Society for Medical Research (ASMR)
- Australian Society of Biochemistry and Molecular Biology (ASSMB)
- Genetics Society of Australia (GSA)
- Human Genetics Society of Australasia (HGSA)
- Molecular and Experimental Pathology Society of Australasia (MEPSA).

PATHWAYS

Depending on the stream chosen, graduates of the Associate Degree in Applied Sciences who achieve a grade point average (GPA) of 2.0 or greater will be able to claim credit and gain guaranteed entry into the Bachelor of Biomedical Science.

Graduates with a GPA of less than 2.0 may apply, and if successful in gaining a place, may be eligible for exemptions.

YOU MAY ALSO BE INTERESTED IN...
- Biotechnology (page 153)
- Laboratory medicine (page 145)
- Pharmaceutical sciences (page 147)
This double degree will give you an insight into human, plant and animal biology as you explore ways to improve health and treat disease. Biomedical science courses allow you to understand how the human body functions, and the responses of the body to various diseases, exercise, diet, internal disturbances and environmental influences.

The biotechnology component covers plant, animal and micro-organisms and how the biological process can be used in practical applications.

You will learn how techniques in molecular biology and genetics are applied to problems like diagnosing genes that cause cancer, making crops and livestock less vulnerable to disease, and making food safer.

**INDUSTRY CONNECTIONS**

Through extensive research projects, many of which are undertaken in collaboration with external organisations, you will have access to a wide range of industrial personnel, such as from CSIRO, Department of Primary Industry, Department of Sustainability and Environment, medical and scientific research institutes and private industry (manufacturing and consulting).

The final year research project may be undertaken with external scientific organisations, and you may elect to undertake a science project as part of your studies at an approved industry (through consultation with the course coordinator).

**WHAT YOU WILL STUDY**

**Year one**

First year will provide an introduction into foundation courses in cell biology, genetics, animals, plants, chemistry and statistics, along with microbiology and immunology.

**Year two**

In second year you will broaden your knowledge of microbiology, and start studies in biochemistry and molecular biology. You will undertake studies in human physiology and cell biology.

**Year three**

In third year you will study genetics and molecular biology, as well as continue specialist studies in medical microbiology and biochemistry. You will learn and obtain skills in advanced biotechnology through studying genomics and proteomics. You will also undertake advanced studies in cell biology through studying tissue growth and repairs, as well as immunology.

**Year four**

During the final year, you will continue to obtain advanced knowledge in cell biology through studying cell communication, biomolecules and cellular regulation. You will also study the emerging field of bioinformatics, which uses computers to analyse biological genomic and proteomic databases. You will obtain skills in bioinformatics that will help with the rational design of vaccines and bioactive molecules.

You will undertake a short biotechnology research project or work experience as part of your studies as well as a project in Biomedical science.

The double degree also provides opportunities for you to undertake a broad range of electives including Anatomy, Neuroscience, and Cardiovascular Biology or Industrial Microbiology.

**ADDITIONAL COSTS**

You will be expected to purchase protective clothing and some minor equipment for use in laboratory classes, text books and notes.

**CAREER OUTLOOK**

Graduates are employed in research, production and testing positions in government and private laboratories. Graduates from the program will be employable by: governments (local, state and commonwealth), e.g. Department of Primary Industry (control of plant and animal diseases); CSIRO (research in genomics, molecular biology, proteomics); medical research institutes, e.g. Walter and Eliza Hall Institute (research into human disease); hospitals (research staff); universities (teaching and research); secondary teaching (teachers and technical staff); private industry (research, quality control and production), e.g. CSL, Ltd (vaccines); and law firms (patent development).

**PROFESSIONAL RECOGNITION**

This degree qualifies graduates for professional membership of scientific societies such as the Australian Society for Microbiology (ASM) and the Australian Biochemical Society (ABS).

**YOU MAY ALSO BE INTERESTED IN...**

- Applied science (page 158)
- Biotechnology (page 153)
- Biomedical science (page 141)
- Chemical engineering/biotechnology (page 111)
- Laboratory medicine (page 145)
WHAT YOU WILL STUDY

Year one
You will undertake foundation courses in biology, anatomy, psychology and physiology and be introduced to the broad field of exercise science in areas such as adapted physical activity, growth and development and health-related physical activity and exercise physiology.

Year two
The second year extends knowledge in physiology and exercise physiology. You will also undertake studies in biomechanics, kinesiology, injury prevention and exercise rehabilitation, resistance training and motor control.

Year three
The third year will advance your knowledge of biomechanics, performance analysis, motor learning, exercise prescription, health and physical activity, and exercise and nutrition. The degree encourages you to apply theory to practice through professional placement. This is undertaken towards the end of your degree. A number of exercise science electives allow you to focus your study towards your chosen career path.

Eligible students may have the opportunity to transfer to a four-year degree with an extended industry placement option.

CAREER OUTLOOK

Graduates are employed in a range of sport and exercise settings, including elite sport, health and fitness, recreation, rehabilitation and disability.

PROFESSIONAL RECOGNITION

Subject to accreditation, it is expected that graduates will be eligible for membership with Exercise and Sport Science Australia (ESSA). ESSA is a professional organisation committed to establishing, promoting and supporting the career paths of tertiary-trained exercise and sport science practitioners in Australia. Graduates who complete ESSA postgraduate qualifications can become accredited exercise physiologists and can work with individuals through referral from medical and allied health practitioners.

Further information about becoming an accredited exercise physiologist can be found at www.essa.org.au.

GLOBAL OPPORTUNITIES

Students have the opportunity to complete a semester or a full year at a university in Europe, the USA or Canada. Tertiary institutions that have participated include Leeds Metropolitan University, Pennsylvania State University, Florida State University, University of West Virginia, University of British Columbia and University of Alberta.

PATHWAYS

In second year, you will have the opportunity to transfer to the Bachelor of Applied Science (Exercise and Sports Science), which includes a substantial work-integrated learning component in year four, undertaken in both semesters.

YOU MAY ALSO BE INTERESTED IN...

- Biomedical science (page 141)
- Physical education (page 99)

HEALTH SCIENCES

Associate Degree in Health Sciences

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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www.rmit.edu.au/programs/ad019

The Associate Degree in Health Sciences allows you to select one of two major streams in health promotion or health information management, and develop a unique range of skills and knowledge relevant to the health industry. The program includes an industry-based project ensuring that you are work-ready upon graduation.

The health promotion stream provides you with a broad range of knowledge and skills to work with individuals and communities to improve health outcomes through education and other strategies.

The health information management stream combines an understanding of health and the health system with skills in information management and information technology. You will be provided with the skills and knowledge to collect, store, analyse and distribute healthcare information.

INDUSTRY CONNECTIONS

You will undertake a project in a host organisation relevant to your chosen stream. This will allow you to apply the knowledge you have developed in a real-life context.

WHAT YOU WILL STUDY

In the first year of the program you will gain an understanding of the health care system in Australia, how the system works and who the key stakeholders are. You will also gain underpinning knowledge of the biology of health through the study of biology, nutrition, anatomy and physiology. The third key area of study relates to what it means to be healthy and the determinants and psychology of health.

The second year looks at issues related to diseases and their management and the critical area of evidence-based practice in health. You then select specialised electives to study either the health promotion stream or the health information management stream.

CAREER OUTLOOK

Graduates of the health promotion stream may find employment in government departments, local governments, community health centres, aged care agencies and health promotion organisations.

Graduates of the health information management stream may become qualified clinical coders and may be employed in public and private hospitals, government health departments, or health insurance companies.

PROFESSIONAL RECOGNITION

Health promotion stream
RMIT is applying for recognition with the Australian Health Promotion Association (AHPA) to enable graduates to obtain professional membership.
www.healthpromotion.org.au

Health information management stream
RMIT is applying to Health Information Management Association of Australia Limited (HIMAA) for recognition of the Associate Degree in Health Sciences.
www.himaa2.org.au

HEALTH SCIENCES/ CHINESE MEDICINE

Bachelor of Health Science/Bachelor of Applied Science (Chinese Medicine)

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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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www.rmit.edu.au/programs/bp278

The double degree in Chinese medicine and health sciences is the study of Chinese medicine’s unique principles, diagnosis and treatment employing acupuncture, Chinese herbal medicine and other therapeutic approaches, as well as western medical sciences and diagnosis.

The program emphasises the integration of Chinese and western medicines, working together with the health community to provide the public with the best possible treatment. Advanced clinical training is provided in Australia and China to broaden your clinical experience.

You will become a professionally competent and responsible Chinese medicine practitioner who is eligible to be registered by the Chinese Medicine Board of Australia.

The combination of theoretical knowledge, practical skills, clinical experience and recognised qualifications will prepare you for a career in Chinese medicine, which may include independent practice, employment in a multidisciplinary healthcare clinic, teaching and/or research.

RMIT’s discipline of Chinese medicine has engaged in extensive consultation in the development of its programs since its inception in 1993. Consultation has also been conducted through the RMIT Chinese Medicine Program Advisory Committee and major professional associations throughout the program.
You will undertake supervised clinical practice at the on-campus Chinese medicine clinic from second semester of third year. This allows you to conduct important diagnosis, communication and herbal dispensing skills. The clinic is open to the public and gives you the chance to familiarise yourself with a fully operational clinic.

The Chinese Medicine Teaching Clinic offers quality acupuncture and Chinese herbal medicine services for health promotion, rehabilitation and treatment for a wide range of conditions, including various pain conditions, hay fever, arthritis, irritable bowel syndrome, problem periods and even the common cold. You will also undertake one semester of advanced clinical training in one of China’s most well-known teaching hospitals.

**WHAT YOU WILL STUDY**

You will begin with studying the basic cell biology and Chinese medicine basic principles. Anatomy, physiology, microbiology, immunology, neuroscience and pathology will follow to ensure you have an understanding of the body’s normal and abnormal states. You will accurately locate and needle acupuncture points. You will learn in detail herbal medicine and formulations and then learn and understand the different clinical conditions that acupuncture and Chinese herbal medicine can treat.

You will learn diagnosis in both western and Chinese contexts. You will be introduced to mental health care and the Australian health care system. You will also gain an understanding of ethics and practices, and then apply your knowledge and skills through your treatment of patients at the on-campus clinic.

**CAREER OUTLOOK**

Graduates will be able to practice Chinese herbal medicine and acupuncture at an internationally accepted level. Chinese medicine, including acupuncture and Chinese herbal medicine, is one of the most commonly used complementary therapies. Chinese medicine has been regulated in the state of Victoria since 2000 and national regulation commenced in July 2012. It is anticipated that with national mandatory registration, employment opportunities will continue to increase. Graduates can establish their own Chinese medicine clinic or be employed in a multidisciplinary healthcare clinic. RMIT graduates also work in teaching and research institutions.

**PROFESSIONAL RECOGNITION**

National registration of Chinese medicine practitioners (including acupuncturists, Chinese herbal medicine practitioners and herbal medicine dispensers) was introduced from 1 July 2012. RMIT University is seeking accreditation for this program by the Chinese Medicine Board of Australia.

**GLOBAL OPPORTUNITIES**

During final year you will undertake on a supervised clinical internship in China, allowing you to experience first-hand the modern practice of Chinese medicine in a public hospital. The Nanjing University hospital is one of China’s busiest and the visit is the perfect way to round out your studies. You will hone your skills, as the internship gives you the opportunity to see approximately 30 patients a day. Your rounds will take you across various departments, exposing you to around 2000 patients and a wide range of clinical conditions. Consultations consist of Chinese and western medicine diagnostic procedures and administration of treatment.

**YOU MAY ALSO BE INTERESTED IN...**

- Biomedical science (page 141)
- Health sciences/chiropractic (page 144)
- Health sciences/osteopathy (page 145)
- Laboratory medicine (page 145)
- Nursing (page 147)

**HEALTH SCIENCES/CHIROPRACTIC**

**Bachelor of Health Science/Bachelor of Applied Science (Chiropractic)**

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<th>2014* ANNUAL FEE (AUS)</th>
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<td>5 years</td>
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www.rmit.edu.au/programs/bp280

Chiropractors are primary contact practitioners focused on health promotion. They diagnose, treat and work to prevent mechanical disorders of the musculoskeletal system.

You will examine how such disorders affect biomechanics, the nervous system and health in general. The focus is on manual treatments like spinal adjustments and other joint and soft-tissue manipulation.

Anatomy, physiology and pathology courses underpin the clinical science studies of physical examination, differential diagnosis for the chiropractor and clinical practicum.

You will begin work-integrated learning immediately, culminating in your fourth year when you will perform patient care duties with supervision from a registered practitioner.

**INDUSTRY CONNECTIONS**

At RMIT, there are many opportunities to gain hands-on practice. You will be given opportunities to observe clinical practice both on- and off-campus.

The Chiropractic teaching clinics provide treatment for a wide range of conditions, including muscle and joint problems and sport injuries, as well as more general health concerns. RMIT University is committed to providing you with an education that strongly links formal learning with professional or vocational practice.

As a student enrolled in this program you will:

- undertake and be assessed on structured activities that allow you to learn, apply and demonstrate your professional or vocational practice
- interact with industry and community when undertaking these activities
- complete these activities in real work contexts or situations.

These interactions and the work context provide valuable feedback to assist your learning.

**WHAT YOU WILL STUDY**

**Year one**

The emphasis is on basic anatomy and physiology and introducing you to chiropractic history and basic assessment.

**Year two**

The focus is on advanced anatomy including neuroanatomy and chiropractic studies.

**Year three**

You will begin to integrate the knowledge you have obtained across the basic sciences with what you have learned in your ongoing chiropractic classes.

**Year four**

You will enter the RMIT University teaching clinics and start treating patients under the supervision of clinical teaching staff.

**Year five**

You will continue patient care and have the opportunity to do this outside of the University teaching clinics, such as in private clinics both in Australia and offshore.

**GLOBAL CONNECTIONS**

RMIT’s discipline of chiropractic maintains a strong commitment to providing options for students to study abroad. Opportunities exist in several offshore locations for students to undertake fieldwork excursions as well as clinical placement.

**CAREER OUTLOOK**

Career prospects are excellent. Graduates are usually employed in private practice as sole practitioners or in a group practice environment. Increasingly chiropractors share offices with other healthcare practitioners in a multidisciplinary environment.

**PROFESSIONAL RECOGNITION**

This new double degree will be subject to accreditation by the Council on Chiropractic Education (Australasia) for the Chiropractic Board of Australia.

www.ccea.com.au

**YOU MAY ALSO BE INTERESTED IN...**

- Biomedical science (page 141)
- Health sciences/Chinese medicine (page 143)
- Health sciences/osteopathy (page 145)
HEALTH SCIENCES/OSTEOPATHY

Bachelor of Health Sciences/Bachelor of Applied Science (Osteopathy)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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www.rmit.edu.au/programs/bp279

Osteopathy is a holistic discipline focusing on the overall health of a patient by treating the musculoskeletal system. In this double degree, you will be trained in diagnosis, how to take full case histories and how to perform conventional medical tests. You will learn the skills of palpation and motion testing for diagnosis. Osteopaths make treatment decisions that focus on the patient as well as their condition. They might give advice on posture, exercise, lifting procedures, nutrition and other areas.

INDUSTRY CONNECTIONS

In the final year of the program you will have the opportunity to work on placement in osteopathic clinics in Australia.

WHAT YOU WILL STUDY

Year one
The objectives in year one are for you to be able to demonstrate fundamental techniques, describe the structure and function of the human body, and develop diagnostic palpation skills. You will learn basic science through anatomy, biochemistry and physiology, as well as clinical sciences in the foundations of osteopathic techniques, introduction to clinic and osteopathic principles and palpation for osteopaths.

Year two
You will expand your range of techniques, learning musculoskeletal diagnosis and refining your palpation skills. You will also undertake clinical observations and tutorials, and neuro-musculoskeletal assessment.

Year three
In year three, the focus is on your ability to formulate a working diagnosis, further expansion of the range of techniques, and clinical application of neuro-musculoskeletal treatment of patients. Your clinical sciences will also include advanced soft tissue techniques, clinical practicum and tutorials, high velocity/low amplitude techniques, and an introduction to diagnostic imaging and osteopathic research.

Year four and five
The final two years have a clinical practice focus with most of the clinical training occurring in the on-campus teaching clinic and in external placement in final year.

CAREER OUTLOOK

There is a high demand for osteopaths in Australia and in certain overseas locations. Graduates are primarily employed or self-employed in private osteopathic clinics or multidisciplinary clinics.

PROFESSIONAL RECOGNITION

Accreditation for this new program is pending. Subject to continued accreditation, graduates will be eligible to apply for registration as an osteopath with the Osteopathy Board of Australia.

Applicants should note that the Osteopathy Board of Australia has determined that all applicants for registration must be able to demonstrate English language skills at IELTS academic level 7, or the equivalent, within the two years preceding registration.

www.osteopathyboard.gov.au

YOU MAY ALSO BE INTERESTED IN...
- Exercise and sport science (page 142)
- Health sciences/Chinese medicine (page 143)
- Health sciences/chiropractic (page 144)

LABORATORY MEDICINE

Bachelor of Biomedical Science (Laboratory Medicine)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUS)</th>
<th>2014* ANNUAL FEE (AUS)</th>
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<tr>
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<td>4 years 3</td>
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www.rmit.edu.au/programs/bp147

Laboratory medicine applies scientific investigations to diagnose, treat and better understand disease processes. It is estimated that up to 70 per cent of clinical decisions made by doctors are based on information provided by medical scientists. As a graduate of the laboratory medicine program, you will be qualified as a medical scientist and play a vital role in the healthcare system. You will use diagnostic and scientific procedures on samples like blood, urine, tissues and swabs to investigate, identify and treat diseases.

This is a four-year degree with a professional practice component (40 weeks) providing you with work-ready skills and experience in diagnostic pathology.

RMIT is the only Victorian university that offers all of the following areas of study:
- haematology
- transfusion and transplantation science
- cytopathology
- histopathology
- medical microbiology
- clinical biochemistry.

You will have flexibility in choosing your major course disciplines. In your final year, you will have the opportunity to study a discipline-focused laboratory medicine project to hone your research skills.

INDUSTRY CONNECTIONS

You will undertake 40 weeks of a supervised professional practice clinical placement across years three and four to give you work-ready skills and experience in a diagnostic pathway.

WHAT YOU WILL STUDY

Year one
You will undertake courses designed to provide a strong academic grounding in biological sciences. You are introduced to the professional field of laboratory medicine through a hospital laboratory visit and basic studies in the clinical disciplines.

Year two
The clinical disciplines of haematology, transfusion science, clinical biochemistry, histopathology, cytopathology and medical microbiology are introduced in preparation for professional practice. Studies in biochemistry and molecular biology, immunology and histology are also included.

Year three
You will undertake general pathology and three major discipline streams from haematology, clinical biochemistry, transfusion and transplantation science, cytopathology, histopathology, medical microbiology and gene technologies.

In the second half of the year you will complete 20 weeks of supervised professional practice in a diagnostic, research or reference laboratory. This full-time placement runs as a cooperative education year involving both RMIT University and your placement laboratory. While undertaking professional practice, you study medical informatics and laboratory management.

Year four
In the first half of year four, you will complete a further 20 weeks of supervised professional practice. On return to RMIT you will complete compulsory courses in systemic pathology, medical genetics and diagnostics and a laboratory medicine project in one of six disciplines: haematology; transfusion and transplantation science; clinical biochemistry; histopathology; cytopathology; and medical microbiology.
CAREER OUTLOOK
Medical scientists are in high demand. Graduates have excellent employment opportunities within Australia and overseas.

Major employers are diagnostic laboratories in teaching hospitals including Monash Medical Centre, St Vincent’s, Royal Melbourne, Royal Children’s, Alfred and Austin hospitals. Graduates are also employed in private pathology laboratories and in regional laboratories throughout Victoria.

Graduates can also be employed as technical sales representatives, or in research laboratories, forensic laboratories, academic organisations, and scientific organisations such as CSIRO and Central Science Laboratory (CSL).

RMIT graduates are highly regarded internationally, especially in the UK where there are staffing shortages.

PROFESSIONAL RECOGNITION
RMIT offers the only degree in Victoria that is professionally accredited by the Australian Institute of Medical Scientists (AIMS) and the only degree in Australia accredited by the Institute of Biomedical Science (UK). This recognition allows RMIT graduates automatic membership of the AIMS organisation and assists with potential for employment as a medical scientist. As a graduate you will be eligible for membership with New Zealand Institute of Medical Laboratory Science, and the American Society for Clinical Laboratory Science.

GLOBAL OPPORTUNITIES
Each year, students can apply to go to overseas for 10–13 weeks of professional practice in an approved overseas laboratory, including placements in the UK, the USA, Ireland, Singapore, Korea and Sweden.

PATHWAYS
Graduates of the Associate Degree in Applied Science (Biomedical Science Stream) who achieve a grade point average (GPA) of 2.0 or greater are guaranteed entry into the second year (equivalent to 120 credit points) of the Bachelor of Biomedical Science (Laboratory Medicine). Graduates with a GPA of less than 2.0 may apply, and if successful in gaining a place, may be eligible for exemptions.

Graduates of the following programs may also be eligible to apply for exemptions of up to one year:
- Diploma of Laboratory Technology (Biotechnology)
- Diploma of Laboratory Technology (Pathology Testing)

YOU MAY ALSO BE INTERESTED IN...
- Biomedical science (page 141)
- Pharmaceutical sciences (page 147)

MEDICAL RADIATIONS

Bachelor of Applied Science (Medical Radiations) — Medical Imaging

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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Bachelor of Applied Science (Medical Radiations) — Nuclear Medicine

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<tr>
<th>RMIT CODE</th>
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Bachelor of Applied Science (Medical Radiations) — Radiation Therapy

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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUD)</th>
<th>2014* ANNUAL FEE (AUD)</th>
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www.rmit.edu.au/programs/bp148

This rapidly advancing healthcare discipline involves the application of ionising and non-ionising radiation for the diagnosis and treatment of injury and disease.

RMIT is the only Victorian university offering a multidisciplinary approach to this field of study. You have the option to study in all medical radiations disciplines at undergraduate level. This means a broader education than alternative degrees, which are generally specific to one area.

RMIT’s Bachelor of Applied Science (Medical Radiations) allows you to enrol directly into one of three specialisations: medical imaging, nuclear medicine or radiation therapy.

Medical imaging

Through medical images, radiographers assist in the diagnosis and management of patients. Images of disease and injury are obtained using x-rays, computed tomography (CT) and digital subtraction angiography (DSA). Magnetic resonance imaging (MRI) and ultrasound (U/S) may also be used. Radiographers combine knowledge of physical and biomedical sciences with technical expertise and patient care.

Nuclear medicine

Nuclear medicine uses very small amounts of radioactive materials (radiopharmaceuticals) to diagnose and treat disease. Radiopharmaceuticals are detected by special cameras (gamma camera technology and positron emission tomography) that work with computers to provide pictures. In treatment, the radiopharmaceuticals go directly to the organ being treated.

Common nuclear medicine applications include cardiac stress tests to analyse heart function, bone scans for orthopaedic injuries and lung scans for blood clots.

Radiation therapy

Radiation therapists are primarily concerned with the design and implementation of radiation treatment and issues of care and wellbeing for those diagnosed with cancer and other pathological conditions.

Radiation therapy is one of the main treatment options for patients diagnosed with cancer and contributes to the high cancer cure rates in Australia. Treatment uses a variety of irradiation equipment.

Radiation therapists combine knowledge of the physical and biomedical sciences in order to design and verify appropriate treatment plans.

INDUSTRY CONNECTIONS
Each program offers specialist professional placement. You will spend 22 weeks of the three year degree in supervised clinical practice, making you job ready upon graduation. Clinical practice takes place in each year of the degree.

You gain experience in large public teaching hospitals, small private practices and rural centres.

Upon graduation, you must complete a period of continuous professional practice to be eligible for full accreditation by the Medical Radiation Practice Board of Australia (MRPBA).

WHAT YOU WILL STUDY

Year one

You will study a general introduction to the practice and physical principles of clinical nuclear medicine, radiation therapy and medical imaging. Common courses include anatomy and physiology, digital imaging, radiation dosimetry, scientific communication and an introduction to research.

In second semester, you begin to study in your area of specialisation and undertake your first clinical placement.

Years two and three

You will specialise in your chosen discipline. Common learning modules include imaging anatomy, pathology, hospital law and ethics, psychology and advanced medical physics and instrumentation.

Third year is designed to explore the complementary nature of the medical radiations disciplines. You examine techniques and case studies that highlight the multidisciplinary approach to diagnosis and treatment. It is also where you will learn the specialised areas of CT, MRI and U/S.

You will also undertake more interdisciplinary learning to further enhance your understanding of the other professions.
CAREER OUTLOOK
Graduates are employed in either the public or private healthcare sector as nuclear medicine technologists, radiation therapists or diagnostic radiographers. Graduates may also consider undertaking a career in research.
To practise in Victoria, you must fulfill the criteria for registration by the Medical Radiation Practice Board of Australia (MRPBA).
Graduates can undertake further study in the specialist fields of MRI, CT, U/S, PET and specialist areas in radiation therapy.
There are 15 400 medical imaging professionals in Australia. Over the past two years there has been a 14 per cent growth in job opportunities*.

PROFESSIONAL RECOGNITION
This degree is accredited by both the Australian and New Zealand Society of Nuclear Medicine (ANZSNM) and the Australian Institute of Radiography (AIR). All our graduates satisfy all requirements for provisional registration by the Medical Radiation Practice Board of Australia (MRPBA).

YOU MAY ALSO BE INTERESTED IN...
» Biomedical science (page 141)

Bachelor of Nursing
RMIT CODE DURATION ANNUAL FEE (AUD) 2013 2014
BP032 3 years 3 $27 840 $26 800
www.rmit.edu.au/programs/bp032

This program will allow you to graduate with a sound theoretical and clinical foundation for a professional career as a registered nurse.
Consisting of theory, nursing laboratory skills and clinical practice, this program encompasses acute care nursing, continuing care nursing, community care and mental health nursing.
Major areas of study include anatomy and physiology, community care nursing, foundational nursing care, high dependency nursing, medical surgical nursing, and mental health nursing, with an emphasis on research-based practice, law and ethics.

INDUSTRY CONNECTIONS
You will have the opportunity to undertake clinical practice in a range of healthcare settings, including major metropolitan hospitals, community, rural and outback settings. Clinical placements occur in early year of the degree and total 24 weeks of supervised practice.
The clinical experience in the first year (two weeks) introduces you to foundational nursing care, and in the following two years (12 and 10 weeks consecutively), you will develop advanced skills in the management of people with a range of complex health problems. All clinical placements are undertaken in a supervised practice setting.
Placement options include tertiary hospitals, subacute hospitals and aged care and community hospitals.
When undertaking placements you are required to have a current Working With Children Check, and a current police check. Various vaccinations prior to clinical placements are mandatory at the beginning of each academic year.

WHAT YOU WILL STUDY
Year one
You will study biosciences and the fundamentals of nursing practice.
Year two
You will gain knowledge and skills in caring for people in acute care settings, such as medical, surgical and mental health nursing.
Year three
You will acquire knowledge and skills in specialised areas of nursing practice.
Throughout the program you will also have the opportunity to select three electives in areas that interest you, enabling a broader learning experience.

CAREER OUTLOOK
Graduates will have excellent employment prospects in a diverse range of healthcare settings, including acute public and private hospitals, community and public health, mental health nursing, aged care nursing, specialty support services, industry and school health nursing. Employment is readily available in metropolitan, rural, remote and overseas locations.

PROFESSIONAL RECOGNITION
Applicants should note that the Nursing and Midwifery Accreditation Council of Australia (ANMAC) has determined that applicants who did not undertake and complete their secondary education in English, must demonstrate English language skills at IELTS academic level 7, or the equivalent, within two years preceding registration.

www.nursingmidwiferyboard.gov.au

PATHWAYS
Graduates of the Diploma of Nursing (Enrolled Nurse) who are successful in gaining a place are eligible to apply for exemptions of up to one year (96 credit points) from the Bachelor of Nursing.

YOU MAY ALSO BE INTERESTED IN...
» Laboratory medicine (page 145)

PHARMACEUTICAL SCIENCES
Bachelor of Biomedical Science (Pharmaceutical Sciences)
RMIT CODE DURATION ANNUAL FEE (AUD) 2013 2014
BP184 4 years $30 720 $31 680
www.rmit.edu.au/programs/bp184

Pharmaceutical science is both the science and business of developing new medicines. It is at the centre of the biomedical sciences, where knowledge about the human body, chemistry and action of drugs is applied in the context of the pharmaceutical industry, to improve the healthcare system.
Specific aspects of the degree include:
» drug discovery
» toxicity and safety
» clinical trials
» drug regulations
» the ethics associated with the approval of drugs
» medical communication of therapeutic products (sales and marketing).

This unique four-year program is industry-connected and gives you an ideal platform for a broad variety of careers in the biomedical sciences.

INDUSTRY CONNECTIONS
This degree has a strong focus on work-integrated learning. The final year of the course involves full-time trainee placement in the workplace of an industry partner.
The Program Advisory Committee, which is made up of representatives from pharmaceutical companies, research institutes, government agencies and universities, ensures that the curriculum and placement activities align with the needs of the workplace.
WHAT YOU WILL STUDY

Year one
You will study a number of general science courses that provide you with a sound scientific base, and include biochemistry, biostatistics, human biology, genetics, microbiology, immunology and cell biology. You are also introduced to pharmacology and toxicology.

Year two
This year provides more in-depth education and training in the major discipline areas of pharmacology, toxicology, biochemistry and therapeutics.

Year three
Year three focuses on pharmaceutical industry-related areas, including drug discovery and development, pre-clinical drug safety testing, clinical trials design and management, and drug regulations and therapeutics.

Year four (professional practice)
Eligible students may apply for a bursary from the RMIT Foundation for their professional practice year. The award of the bursary is competitive.

RMIT has partnered with more than 30 medical industry organisations such as:
- Baker IDI Heart and Diabetes Institute
- Bristol-Myers Squibb
- CSL Bioplasma
- GlaxoSmithKline Australia
- Sanofi Aventis (Sydney)
- Therapeutic Goods Administration (TGA) (Canberra)
- Victorian Institute of Forensic Medicine.

Progress into a research-based honours program is encouraged for graduates who perform well in their degree.

CAREER OUTLOOK

This degree gives you the skills necessary to be very competitive, with a major focus on the pharmaceutical industry. The Australian pharmaceutical and related health industries from an expanding multi-billion dollar sector that requires graduates to work in areas such as drug design and development, human clinical trials and drug regulations. This is a globally relevant degree that provides excellent opportunities for employment both in Australia and overseas.

Career options include:
- Biopharmaceutical companies (research and development, drug regulatory affairs, medical communication).
- Clinical trial centres.
- Drug safety, toxicology and pharmacovigilance.
- Government regulatory authorities (health departments).
- Biomedical research in hospitals, universities and research institutes.
- Biotechnology.

PROFESSIONAL RECOGNITION
Graduates may be eligible to join the following Australian professional societies, either during their final year of study or upon graduating:
- Association of Regulatory and Clinical Scientists to the Pharmaceutical Industry (ARCS)
- Australasian Pharmaceutical Science Association (APSA)
- Australasian Society of Clinical and Experimental Pharmacologists & Toxicologists (ASCEPT)
- Australian Physiological Society (AuPS)
- Australian Society for Medical Research (ASMR)
- Australian Society of Biochemistry & Molecular Biology (ASBMB).

GLOBAL OPPORTUNITIES
RMIT has strong links with a number of overseas research laboratories and companies, and encourages visits to international laboratories.

PATHWAYS

Graduates of the Associate Degree in Applied Sciences (Biomedical Science Stream) who achieve a grade point average (GPA) of 2.0 or greater are guaranteed entry into second year (equivalent to 120 credit points) of the Bachelor of Biomedical Science (Pharmaceutical Sciences).

YOU MAY ALSO BE INTERESTED IN...
- Biomedical science (page 141)
- Laboratory medicine (page 145)
- Pharmacy (this page)

PHARMACY

Bachelor of Pharmacy

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<tr>
<td>BP271</td>
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<td>$31 680</td>
<td>$31 680</td>
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If you are looking to become a pharmacist, this four-year program is your first step. It prepares you for the one-year internship you need to do to gain Australia-wide registration.

Once you have completed the program and the intern year, you may practise in any area of pharmacy in Australia, including community or hospital pharmacy.

You will also gain a strong scientific foundation for further studies in science or business.

INDUSTRY CONNECTIONS

You will complete work placements in hospitals and community pharmacies throughout the final three years of the degree.

WHAT YOU WILL STUDY

Year one
You will study a number of general science courses that will provide you with a sound scientific base, including biochemistry, biostatistics, human biology, genetics, microbiology, immunology and cell biology, together with the pharmacy-specific course, introduction to pharmacy.

Year two
This year provides more in-depth and specific education and training in the major discipline areas. In addition to pharmacology, medicinal chemistry and therapeutics, you will study pharmacy-specific professional practice and drug delivery courses, as well as undertaking work placement.

Year three
This year provides in-depth study of major therapeutic areas together with a further two courses in each of drug delivery and pharmacy practice, with increased work placement activities.

Year four
In your final year of study, there are professional practice courses with more extensive work placement activities, together with a suite of courses developing a detailed understanding of the process of drug development, clinical trials and regulatory affairs.

CAREER OUTLOOK

On completion of both the degree and intern year, graduates can work in:
- community pharmacy
- hospital pharmacy
- pharmaceutical industry—science, quality control, sales, marketing, management
- bio-pharmaceutical industry
- clinical trials administration
- drug information agencies
- drug regulation for government or companies
- consulting to industry
- pharmacy professional organisations
- pharmacy academia
- medical research
- medical writing.

PROFESSIONAL RECOGNITION

After the successful completion of internship (and an examination) graduates will be eligible for registration as a pharmacist with the Pharmacy Board of Australia (PBA) and membership of the Pharmaceutical Society of Australia (PSA). Students are responsible for all aspects of undertaking the intern year after completing the four-year degree. A reciprocal registration also exists with the Pharmacy Council of New Zealand (PCNZ), allowing registration after a four-week period of working under supervision.

YOU MAY ALSO BE INTERESTED IN...
- Biomedical science (page 141)
- Laboratory medicine (page 145)
- Pharmaceutical sciences (page 147)
PHYSICAL EDUCATION

Bachelor of Applied Science (Physical Education)

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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www.mit.edu.au/programs/bp041

Please refer to page 99 for program details.

PSYCHOLOGY

Bachelor of Applied Science (Psychology)

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<th>RMIT CODE</th>
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<tr>
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www.mit.edu.au/programs/bp154

Psychology explores the science of the mind and human nature. You will examine mental states and processes and how they affect human behaviour. You will also gain strong theoretical and practical skills.

Please note: To register as a psychologist, you will need to complete the Bachelor of Applied Science (Psychology) degree, the Bachelor of Applied Science (Psychology) (Honours) and the Master of Psychology (two years full-time), or equivalent programs recognised by the Australian Psychology Accreditation Council.

INDUSTRY CONNECTIONS

The applied science psychology degree involves a research project where you work one-on-one with staff on staff-initiated research projects.

WHAT YOU WILL STUDY

The psychology component of the degree is 25 per cent of first year, 62.5 per cent of second year and 62.5 per cent of third year.

The remaining courses include occupational health and safety, nutrition and applied psychology, disability studies, health statistics, computer science and geography.

Year one

You will study the foundations and principles of psychology. Foundations of psychology introduces three areas of psychology: biological bases of behaviour including brain behaviour relationships, sensation, perception and consciousness; theories of learning, memory and cognition (including theories of intelligence); and theories of emotion, motivation and stress. Principles of psychology introduces three areas of psychology: personality, psychopathology and social psychology.

Year two

You will study biological psychology, cognitive psychology, developmental psychology, research methods in psychology, and social psychology.

Year three

The third year includes philosophy and methodology of psychology; psychological assessment and individual differences; psychology in society and organisations; psychopathology and models of intervention; and a research project.

Electives: cross-cultural and organisational psychology, forensic psychology, psychology of gender or health, and sport psychology.

CAREER OUTLOOK

This degree is the basis for further study for those who wish to become practising psychologists or use their study in other careers.

As a graduate of the psychology degree, you can work in areas such as organisational management, health, sport, cross-cultural studies, counselling, HR, working with people with disabilities, research, training, market research and, with further study, teaching.

PROFESSIONAL RECOGNITION

The psychology major in the Bachelor of Applied Science (Psychology) is a partial requirement for membership of the Australian Psychological Society (APS).

www.psychology.org.au

It is also a partial requirement for registration as a psychologist with the Victorian Psychologist’s Registration Board, subject to further study or clinical practice.

www.psychreg.vic.gov.au

The Bachelor of Applied Science (Psychology) has been accredited with the Australian Psychology Accreditation Council until 2018. RMIT has been accredited to deliver psychology programs for three decades.

YOU MAY ALSO BE INTERESTED IN...

» Criminal justice administration (page 84)
» Psychology (social science) (page 86)
» Social work/psychology (page 88)
» Statistics (page 158)
» Youth work (page 87)
‘The best part of studying at RMIT is the small class sizes. My teachers know me by name, and I can always have one-on-one contact with them. I’ve learned so much from them, and they are always willing to offer help. ‘My study has most definitely prepared me for the future. The Associate Degree gave me a range of courses to study, which gave me a feel for what I enjoy and what I don’t. It helped my decision in choosing Laboratory Medicine for my next degree. ‘I do a minimum of six hours a week of practical work, so I’m now very familiar with all lab procedures. I also completed a work placement, which will help me a lot when trying to find a job.’

Noura Al-Shanfa
Associate Degree in Applied Science
Science

RMIT’s science programs are connected, relevant and focused on helping you make an impact in your chosen field. Employment opportunities are everywhere, with science graduates employed in a diverse range of jobs across all industries.

Many programs include optional industry experience or involvement in a science research project, enabling you to develop research solutions to real problems.

You can choose from a range of specialised programs in:

» applied sciences
» biological sciences
» biotechnology
» chemistry
» food technology and nutrition

» geospatial science
» mathematics and statistics
» nanotechnology
» physics
» surveying.

No other field can match the potential of science to save lives, preserve the environment and improve the way we live.

VIDEO LINK

Strawberries come in multiple shapes and varieties, but many of them fail the taste test. RMIT researchers are getting closer to finding the winning combination of environmental and genetic factors that produce the best fruit.

Scan this code to watch the online video
In chemistry you will become skilled at preparing solutions that meet strict quality control. In biochemistry you will become proficient at measuring protein levels in samples by using scientific equipment. You will also isolate and separate DNA samples using electrophoresis.

**Year two**

The second year builds knowledge and skills in specialised biotechnology areas such as molecular biology, tissue culture, genetics, chromatography and electrophoresis, as well as quality assurance.

You will develop molecular biology techniques and gain a strong foundation in molecular genetics and specialised biochemical procedures.

You will also develop relevant practical skills such as how to detect and isolate a specific gene from a biological sample with the aim of identification. For example you will extract DNA from common kitchen ingredients, as well as from bacteria and other cells. This will then be amplified using a technique known as PCR, separated using electrophoresis techniques, stained and examined.

**TEACHING METHODS**

Classes are taught in a combination of lecture, tutorial, workshop, and laboratory sessions.

**CAREER OUTLOOK**

Graduates will be qualified to work as technicians in biotechnology laboratories, and provide technical support for scientists working in areas such as medical research, vaccine production, agriculture, diagnostic screening, commercial plant propagation and food microbiology.

**PROFESSIONAL RECOGNITION**

Students are eligible for student membership of the Australian Society for Microbiology, and upon graduation are eligible for associate membership. Students are also eligible for student membership of AusBiotech, the industry body representing the biotechnology industry in Australia.

**PATHWAYS**

Graduates who are successful in gaining a place may apply for exemptions of up to one year from the following programs:

- Bachelor of Biomedical Science
- Bachelor of Science (Biotechnology)
- Bachelor of Applied Science (Laboratory Medicine)
- Bachelor of Biomedical Science (Pharmaceutical Science)

**YOU MAY ALSO BE INTERESTED IN...**

- Applied science (page 158)
- Biotechnology (page 153)
- Pathology testing (page 140)
BIOTECHNOLOGY

Bachelor of Science (Biotechnology)

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<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<td>3 years</td>
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www.rmit.edu.au/programs/bp226

Since 1986 RMIT’s biotechnology degree has been Australia’s leader in the field. You will be learning from leading researchers and have the chance to do work experience in research laboratories, along with plenty of hands-on experience.

As a graduate you could be involved in applying the latest technologies and techniques in molecular biology and genetics to solve a range of problems like diagnosing genes that cause cancer, making crops and livestock less vulnerable to disease, and making food safer.

INDUSTRY CONNECTIONS

You will undertake projects, sometimes with summer scholarships, in external workplaces or research or teaching laboratories that will develop your workplace skills and your “hands-on” capabilities. In practical classes and assignments, many problems you are set are derived from the staff’s own research or from colleagues in industry.

For example, in 2010–11 four students received scholarships from Department of Primary Industries to help develop drought and disease resistant crops. Industry lecturers in final year are a regular feature and share real-life experience.

WHAT YOU WILL STUDY

In first year, you will study foundation courses in biology (cells, genetics, animals, plants, microbes), chemistry and statistics to provide a solid basis for later years.

In second year you will study courses that broaden your knowledge (microbiology, biochemistry, genetics) as well as starting to specialise in biotechnology (bioinformatics, molecular biology, cell culture, food biosecurity, epidemiology) and have a choice of electives.

In third (final) year, you will master current techniques (gene transfer, microarrays, real-time DNA analysis), apply them to particular problems in human and animal health (detection of pathogens, vaccines, breeding), crops (drought and disease resistance) and microbes (fermentation), and study the regulatory requirements of biotechnology.

In the final year project you will work individually or in a team on a problem that is solved by researching the literature, designing experiments and carrying them out as if at work, or you may choose to undertake supervised work experience in research laboratories or an external workplace.

CAREER OUTLOOK

Graduates are currently employed in research, diagnosis and technique development in public institutions (CSIRO, Police Forensics, research institutes for human, animal and crop health), biosecurity, universities, hospitals, and in private industry (fermentation, food, biotechnology, cell products, vaccines).

With more industry experience, graduates have become state wide and national leaders and have been involved in exciting projects such as the sequencing of the human genome. The range of graduate occupations is wide specifically because of the broad training that allows great flexibility.

Graduates have become team leaders, started their own companies and have contributed widely to novel technologies to solve our problems.

PROFESSIONAL RECOGNITION

Depending on streams chosen in third year, this degree may qualify graduates for professional membership of scientific societies such as the Australian Institute of Biology, the Australian Society for Microbiology, and the Australian Biochemical Society. The degree is internationally recognised and many RMIT graduates are employed overseas.

GLOBAL OPPORTUNITIES

Students may undertake a semester of study in an overseas university, credited to their degree, in countries of the EU or America, through Study Abroad, e.g. Oxford Brookes University, UK.

PATHWAYS

Depending on the stream chosen, graduates of the Associate Degree in Applied Sciences who achieve a grade point average (GPA) of 2.0 or greater will be able to claim credit and gain guaranteed entry into the Bachelor of Science (Biotechnology).

Graduates with a GPA of less than 2.0 may apply, and if successful in gaining a place, may be eligible for exemptions.

Graduates of the following program may also be eligible to apply for exemptions:

» Diploma of Laboratory Technology (Biotechnology).

YOU MAY ALSO BE INTERESTED IN...

» Applied science (page 158)

» Chemical engineering/biotechnology (page 111)
The nutrition stream helps you learn to improve the nutritional quality of our manufactured food supply, creating safe and nutritious foods that taste good and have a balanced nutritional profile. In the second and third years of the program you will be developing several different products in a pilot plant setting and undertaking several industry visits.

ASSESSMENT

Assessment is ongoing throughout the semester and may include mid-semester tests, essays, and oral class presentations, research projects, laboratory and practical reports and final examinations.

CAREER OUTLOOK

Graduates of the food technology stream find jobs in large food processing companies such as Nestlé, Cadbury, Simplot and Kraft in research and development, marketing or quality assurance roles. Graduates of the nutrition stream generally work in food companies in areas of product development, marketing and regulatory affairs, or complete further study. Many past graduates are in managerial roles in food companies, while some have taken up roles in government departments or regulatory bodies. Students have also worked in international food companies or have started their own private businesses.

There is also scope for nutrition stream students to select electives that will allow them to articulate into dietetics or diploma of education programs elsewhere.

PROFESSIONAL RECOGNITION

Graduates of both streams are eligible for Australian Institute of Food Science and Technology (AIFST) membership and nutrition stream graduates are also eligible to apply for registration as a nutritionist with the Nutrition Society of Australia (NSA). AIFST membership allows you to complete two degrees in just four years and increasing your employment prospects. The double degree gives you both the science and management skills to fulfill changing roles in the workplace. Graduates will be able to oversee development of large scale, high value added food processing companies that have a global operational focus, making Australian manufacturing more competitive.

INDUSTRY CONNECTIONS

This program has strong industry links. Guest lecturers drawn from industry regularly present throughout the program. There are also site excursions to food plants to learn about production processes and other industry operations. The final year course food and business project provides the opportunity to link with a host food company and apply the knowledge you have gained. You are encouraged to seek vacation employment with relevant industries.

WHAT YOU WILL STUDY

During the first three semesters, all students share basic science courses such as chemistry, biology and maths, as well as core courses in an introduction to food industry, food preservation and nutrition.

Streaming into major areas begins from the third semester. In the food technology stream, you learn to turn raw materials such as milk and cereal grains into food products like ice cream and breakfast cereals.

FOOD TECHNOLOGY AND NUTRITION/BIOENGINEERING

Bachelor of Engineering (Chemical Engineering)/Bachelor of Science (Biotechnology)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<tr>
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www.rmit.edu.au/programs/bp159

Please refer to page 111 for program details.

INDUSTRY CONNECTIONS

The third year science project may be linked to an industry, with typical projects including working in the research and development department to design new processes or formulate new food products; or being involved in a labelling project that promotes a product’s nutritional profile. The quality assurance course is conducted with direct involvement of the food industry where projects are designed and assessed by representatives of the industry.

WHAT YOU WILL STUDY

During the first three semesters, all students share basic science courses such as chemistry, biology and maths, as well as core courses in an introduction to food industry, food preservation and nutrition.

Streaming into major areas begins from the third semester. In the food technology stream, you learn to turn raw materials such as milk and cereal grains into food products like ice cream and breakfast cereals.

The nutrition stream helps you learn to improve the nutritional quality of our manufactured food supply, creating safe and nutritious foods that taste good and have a balanced nutritional profile. In the second and third years of the program you will be developing several different products in a pilot plant setting and undertaking several industry visits.

ASSESSMENT

Assessment is ongoing throughout the semester and may include mid-semester tests, essays, and oral class presentations, research projects, laboratory and practical reports and final examinations.

CAREER OUTLOOK

Graduates of the food technology stream find jobs in large food processing companies such as Nestlé, Cadbury, Simplot and Kraft in research and development, marketing or quality assurance roles. Graduates of the nutrition stream generally work in food companies in areas of product development, marketing and regulatory affairs, or complete further study. Many past graduates are in managerial roles in food companies, while some have taken up roles in government departments or regulatory bodies. Students have also worked in international food companies or have started their own private businesses. There is also scope for nutrition stream students to select electives that will allow them to articulate into dietetics or diploma of education programs elsewhere.

PROFESSIONAL RECOGNITION

Graduates of both streams are eligible for Australian Institute of Food Science and Technology (AIFST) membership and nutrition stream graduates are also eligible to apply for registration as a nutritionist with the Nutrition Society of Australia (NSA).

GLOBAL OPPORTUNITIES

You may take one or more semester at an overseas institution through the Education Abroad program at more than 120 partner universities. Recent graduates have spent a semester or two in food science and technology programs in England, Germany and other European countries.

PATHWAYS

Depending on the stream chosen, graduates of the Associate Degree in Applied Sciences who achieve a grade point average (GPA) of 2.0 or greater will be able to claim credit and gain guaranteed entry into the Bachelor of Science (Food Technology and Nutrition). Graduates with a GPA of less than 2.0 may apply, and if successful in gaining a place, may be eligible for exemptions. Graduates of the following program may also be eligible to apply for exemptions:

- Diploma of Food Science and Technology
- Bachelor of Science (Food Science and Nutrition) (Biotechnology)
- Bachelor of Science (Food Science and Nutrition) (Chemical Engineering)

YOU MAY ALSO BE INTERESTED IN...

- Food technology and nutrition/chemical engineering (page 122)
WHAT YOU WILL STUDY

Year one
The first year includes five basic science courses, two introductory food courses and two introductory business courses.

Year two
In the second year you will study five food science and food microbiology courses along with four marketing and economics courses.

Year three
The third year includes four food technology courses and five business and marketing courses.

Year four
In the final year you will study two advanced food technology courses, five business management courses, one food and business project and one student elective.

CAREER OUTLOOK
Graduates of this program will be in high demand, able to work in both scientific and management roles.

Food processing is Victoria’s largest manufacturing industry and offers excellent employment opportunities.

Food technology graduates typically find employment in large food companies such as Kraft, Simplot, Fonterra, Cadbury, Uncle Toby’s and HJ Heinz. Graduates work in many areas including research and design, quality assurance, marketing and management roles.

PROFESSIONAL RECOGNITION
Graduates of this double degree will gain recognition from the Australian Institute of Food Science and Technology (AIFST), and the Australian Human Resources Institute (AHRI).

YOU MAY ALSO BE INTERESTED IN...
- Food technology and nutrition (page 154)
- Food technology/engineering – chemical (page 123)
- Management (page 67)

GEOSPATIAL SCIENCE

Bachelor of Science (Geospatial Science)

<table>
<thead>
<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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</table>

www.rmit.edu.au/programs/bp087

This program develops professionals to work in geospatial science, which is all about location. If we understand where things are and how they are connected, we better understand our world.

Geospatial scientists use location as the key to collecting, managing, analysing and interpreting information.

Teaching at RMIT builds on a strong link between theory and practice. While there is a sound theoretical base, most subjects incorporate extensive practical work to develop skills as well as knowledge.

Geospatial science is a specialised discipline, so students enjoy the advantage of small class sizes, focused content and staff that are easily accessible. RMIT maintains strong links with industry and members of the profession regularly participate in teaching programs.

While you will find elements of geospatial science in other programs, RMIT offers the only four year undergraduate degree in Victoria. The university also has a dedicated field station at Yarra Bend Park in Melbourne to support practical work.

You will benefit from RMIT’s first year transition program, academic coordinators for each year level and a strong Geospatial Science Student Association.

INDUSTRY CONNECTIONS

Many of RMIT’s activities are guided by industry. For example, you will undertake an exercise based on the Yarra Bend Park Strategy Plan. You will survey an area of the park, then model, design and illustrate an amphitheatre to suit the local environment.

You will also be expected to complete 60 days’ work experience during your program. This is usually in the form of paid employment during vacation periods or as a part-time employee.

WHAT YOU WILL STUDY

In the early years of the program, you will study the fundamentals of measurement science, cartography and spatial information science (GIS). Other fundamental skills in mathematics, statistics and physics are also covered. In later years, more specialised studies are offered in geodesy, map projections, spatial analysis, web design, remote sensing, image analysis and professional practice. Elective choices give you the opportunity to develop further skills in these areas or to learn more about information technology, environmental studies, planning and land administration.

From first year, students engage in project based learning, where they take a real world problem and design solutions using geospatial tools. This continues in other years and all students design and undertake a substantial major project in their final year.

Practical work is based on industry standard software and hardware; the same tools you will find in the workplace. You will have ample opportunities to develop skills and experience with these tools.

CAREER OUTLOOK

Graduates work in diverse roles and can be found managing planning and land use systems in local government; mapping and analysing crime patterns with the police; building systems for monitoring the spread of infectious diseases; and providing maps and other data for your mobile phone.

More and more organisations are relying on spatial data as a key information source. As a result, there is strong industry demand for graduates and they can work in any organisation where spatial information is used. Graduate employment is typically above 90 per cent within three months of completing study.

www.spatialjobs.com.au

PROFESSIONAL RECOGNITION

Graduates from this program are eligible for admission to the Surveying and Spatial Sciences Institute. They also meet the requirements to be members of the Mapping Sciences Institute of Australia.

www.mappingsciences.org.au
www.spatialsciences.org.au

YOU MAY ALSO BE INTERESTED IN...
- Environmental science (page 134)
- Urban and regional planning (page 136)
- Surveying (page 159)
- Civil engineering (page 114)
WHAT YOU WILL STUDY
You will undertake core studies in applied mathematics, together with several courses from one of four specialisations:
» environmental modelling
» finance
» information security
» statistics.
In first year, you will study the basics of calculus, statistics, discrete mathematics, mathematical programming and professional practice. In second and third year, you will continue with more advanced applied mathematics courses involving mathematical modelling and computational methods, together with the fundamental mathematical techniques needed by the professional mathematician. It is at this stage that you undertake your choice of specialisation. At each year level, you will study a work-integrated learning course which typically involves team work on an industry problem.

CAREER OUTLOOK
The outlook for mathematics graduates is excellent. Mathematics graduates work as analysts and modellers in many areas of business, commerce, government, teaching, computer and manufacturing industries. Mathematics has been identified as a critical area in science and the government has forecast that the demand for mathematicians will grow each year from 2006–13. CSIRO and other agencies have reported difficulties in filling mathematics positions. The statistics indicate that as a mathematician you will be entering the workforce as a highly sought after employee.

PROFESSIONAL RECOGNITION
Graduates will be eligible to apply for graduate membership of the Australian Mathematical Society.

YOU MAY ALSO BE INTERESTED IN...
» Statistics (page 158)
CAREER OUTLOOK

Nanotechnology graduates find research or industry-based careers in Australia and overseas. People with skills and qualifications in nanotechnology will be in high demand. Graduate shortages have also been identified in the nano-enabling specialisations of chemistry—particularly polymer, colloidal, organic and bio-inorganic chemistry; materials science and engineering; microelectronics fabrication; and meteorology.

Many graduates go on to higher study (master and/or PhD) in order to pursue a career in nanotechnology research. Others find employment in a wide variety of industries. Graduates are currently employed in telecommunications, computing, defence, solar energy, medicine, aerospace, paints and coatings, cosmetics, and environmental remediation.

www.rmit.edu.au/programs/bp007

WHAT YOU WILL STUDY

The first year provides a solid foundation across the sciences and allows you to choose a specialty. You will also gain an understanding of the methodical scientific approach, individual and group work and communication skills, as well as knowledge and understanding of the importance of safety in the scientific workplace.

The second year begins to add depth to your chosen area of study while introducing a wide selection of electives to expand your science knowledge. You can choose a series of electives that can enhance your chosen discipline or add breadth to your overall studies in science.

The final year of the program adds depth to your area of specialisation while preparing you for work in the industry through special work-integrated learning courses such as the Science Project and the Professional Scientist.

CAREER OUTLOOK

Many graduates hold key positions in public and private industry, research organisations and government departments. The diversity of successful graduates reflects the breadth of the program. The following are a few examples from the key discipline areas of the program.

Graduates in applied chemistry are employed across several industries including: manufacturing; professional, scientific and technical services; education and training; and electricity, gas, water and waste services.

Physics graduates work in many settings, and are employed by a diverse range of industries and companies.

Areas of physics include nuclear physics, astrophysics, particle physics, solid-state physics, cosmology, optical physics, mechanics, thermodynamics and magnetism.

RMIT physics graduates can work in many areas including advanced coatings, surface engineering, acoustics, geophysics, optics, radiation, soft condensed matter, materials modelling and simulation, and forensic/biomedical/scientific photography.

PHYSICS/ELECTRONIC AND COMMUNICATION ENGINEERING

Bachelor of Science (Physics)/Bachelor of Engineering (Electronic and Communication Engineering)

If you are looking for a flexible science program then this is your perfect choice. You can major from the start, or after your first year. You can choose to major in applied sciences, applied chemistry, biological sciences or physics, or enter the applied sciences general program plan and major in environmental science, biotechnology or food science.

You can study up to six courses to support your major, or choose to supplement your studies through other science electives.

All disciplines in this program follow this common plan:

» 7 core courses
» 11 specialised courses to define a major
» 4 science electives
» 2 student electives.

The program offers a wide variety of learning experiences including laboratory and practical work, working in the field, formal lectures, and self-directed projects with industry connections.

INDUSTRY CONNECTIONS

The final year science projects will be based around actual industry-related problems, which will give you valuable insight into the type of roles and industries you choose to work in and help you to make important contacts with people working in the industry.
PROFESSIONAL RECOGNITION

Depending on your major area of study the following organisations recognise graduates who have successfully completed the recommended courses in a major area of study:

- Safety Institute of Australia (SIAM)
- Australian Institute of Biology (AIB)
- The Australian Society for Microbiology (ASM)
- The Australian Biochemical Society (ABS)
- The Australian Institute of Medical and Biological Illustration (AIMBI)
- Australian Institute of Food Science and Technology (AIFST)
- Environment Institute of Australia and New Zealand (EIANZ)
- Royal Australian Chemical Institute (RACI)
- Australian Institute of Physics (AIP)
- The Institute of Photographic Technology, Incorporated (IPT).

PATHWAYS

Depending on the stream chosen, graduates of the Associate Degree in Applied Sciences who achieve a grade point average (GPA) of 2.0 or greater will be able to claim credit and gain guaranteed entry into the Bachelor of Science (Applied Sciences) stream.

Graduates with a GPA of less than 2.0 may apply, and if successful in gaining a place, may be eligible for exemptions.

YOU MAY ALSO BE INTERESTED IN...

- Biotechnology (page 153)
- Environmental science (page 134)
- Nanotechnology/applied sciences (page 156)

INDUSTRY CONNECTIONS

In second year, students will undertake the course Professional practice in applied science, where you will address an issue or problem in the workplace. You will be allocated a place in a laboratory where you will spend a minimum of 80 hours performing tasks as part of the project. You will need to research the workplace to understand its structure and functions and identify appropriate problem solving skills, then develop and report on the outcomes.

WHAT YOU WILL STUDY

Year one

- Anatomy and physiology
- Biochemical principles
- Biological principles
- Chemistry
- Health and nutrition
- Introduction to genetics and microbiology
- Scientific research skills

Complete one of:
- Introduction to food science and technology
- Introduction to medical science

Year two

- Applied microbiology
- Biochemistry
- Data analysis
- Microbiology
- Professional practice in applied science

And choose one stream:

Food science stream

- Applied nutrition
- Food science (proteins, lipids and carbohydrates)
- Principles of nutrition and food safety

Biosciences stream

- Cell biology and tissue culture
- Molecular biology and genetics.

One of the following:

- Bioinformatics
- Medicines, drugs and poisons

PROFESSIONAL RECOGNITION

Graduates of the Associate Degree in Applied Science will be eligible for membership in a range of professional bodies such as the Australian Institute of Food Science and Technology (AIFST), Australian Society of Microbiology (ASM) and Australian Institute of Medical Laboratory Scientists (AIMLS). This will depend on the stream selected.

PATHWAYS

Graduates of the food science stream are guaranteed entry into the third year of the following degree:

- Bachelor of Science (Food Technology and Nutrition)

Graduates of the biomedical sciences stream are guaranteed entry into the second year of the following degrees:

- Bachelor of Applied Science (Laboratory Medicine)
- Bachelor of Biomedical Science
- Bachelor of Biomedical Science (Pharmaceutical Science)
- Bachelor of Science (Applied Sciences)

Graduates of the biomedical sciences stream are guaranteed entry into the third year of the following degree:

- Bachelor of Science (Biotechnology)

STATISTICS

Bachelor of Science (Statistics)

<table>
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<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
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<th>2014* ANNUAL FEE (AUS)</th>
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</table>

www.rmit.edu.au/programs/bp245

You will learn to use a number of industry-relevant computer packages and gain the skills and knowledge to apply statistics to a broad range of industries. Statisticians apply problem-solving and data analysis skills to fields including:

- banking and finance (maximising profit and minimising risk)
- medical research (treatment and drug efficacy)
- environmental modelling (resources, biodiversity, weather and climate)
- marketing (market segmentation and clustering).

A wide variety of companies rely on statistics for reporting, data modelling and forecasting operational results. This program—one of the only stand-alone statistics programs offered in Australia—is highly regarded for its industry engagement and employment focus.

RMIT statistics graduates are prized for their hands-on IT literacy, problem-solving skills and exposure to real-world statistical problems throughout their studies.
This program will suit you if you are interested in:
- solving problems through data analysis
- predicting future trends in the environment, economy and finance
- sports statistics
- the practical application of mathematics and statistics theory.

INDUSTRY CONNECTIONS
In recent years students have worked on industry projects from, or been placed in, diverse organisations such as VicRoads, Victorian Institute of Sport (Melbourne Vixens), Badminton Australia, Bureau of Meteorology, Australian Bureau of Statistics, National Australia Bank, Dairy Innovation Australia, National Stroke Research Institute, Australian Institute of Sport (Australian Hockey Team) and Biarri Commercial Mathematics, to name just a few.

WHAT YOU WILL STUDY
You will undertake core studies in applied statistics, together with several courses from one of three specialisations (finance, environmental modelling, marketing).

In first year you will study the basics of calculus, statistics, discrete mathematics, mathematical programming and professional practice.

In second and third year you will learn about the mathematical foundations of statistics together with the numerous areas of application (quality control, experimental design, sampling theory, analysis of multivariate data, regression analysis, forecasting and time series, sports statistics). It is at this stage that your applied statistics studies are influenced by your choice of specialisation.

At each year level, students study a work-integrated learning course which typically involves team work on a real-life industry problem.

CAREER OUTLOOK
The world is awash with data, and RMIT statistics graduates are ideally placed to capitalise on this situation. A serious undersupply of statistics graduates means that there has never been a better time to do a statistics degree. In fact, the Australian Government has forecast a 33 per cent growth in demand for statisticians over the next three years.

PROFESSIONAL RECOGNITION
Graduates are eligible to apply for graduate membership of the Statistical Society of Australia (SSA) and graduate membership of the Australian Society for Operations Research (ASOR).

YOU MAY ALSO BE INTERESTED IN...
- Economics and finance (page 63)
- Environmental science (page 134)
- Marketing (page 68)
- Mathematics (page 156)

SURVEYING

Bachelor of Applied Science (Surveying)

<table>
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<tr>
<th>RMIT CODE</th>
<th>DURATION AND CAMPUS</th>
<th>2013 ANNUAL FEE (AUD)</th>
<th>2014* ANNUAL FEE (AUD)</th>
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<td>$27 840</td>
<td>$28 800</td>
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</table>

www.rmit.edu.au/programs/bp089

Surveyors are masters of measurement. Whether they are locating a property boundary or setting out a high-rise building, today’s surveyors use advanced equipment and specialised software to determine the accurate position of features on Earth.

They also design subdivisions, measure the ocean floor and monitor deformation of the Earth's crust. The profession requires attention to detail and a precise mind.

The degree is built on a strong link between theory and practice. While there is a sound theoretical base, most courses incorporate extensive practical work to build skills as well as knowledge.

Surveying is a specialised discipline, so you will enjoy the advantage of small class sizes, focused content and staff who are easily accessible.

INDUSTRY CONNECTIONS
Many of RMIT’s activities are guided by industry. For example, you will undertake an exercise based on the Yarra Bend Park Strategy Plan. You will survey an area of the park, then model, design and illustrate an amphitheatre to suit the local environment.

You will also be expected to complete 60 days’ work experience during your program. This is usually in the form of paid employment during vacation periods or as a part-time employee.

WHAT YOU WILL STUDY
In the early years of the program, you will study the fundamentals of measurement science, cartography and spatial information science (GIS). Other fundamental skills in mathematics, statistics and physics are also covered. In later years, more specialised studies are offered in geodesy, map projections, spatial analysis, remote sensing, image analysis and professional practice.

Specialised studies in cadastral and engineering surveying, GPS and advanced adjustment methods are central components of the program.

Field camps are held in years two and three to reinforce your theoretical learning and allow you to use your knowledge on real-life problems.

Practical work is based on industry standard software and hardware, the same tools you will find in the workplace. You will have ample opportunities to develop skills and experience with these tools.

PROFESSIONAL RECOGNITION
The Bachelor of Applied Science (Surveying) is accredited by the Surveyors Registration Board of Victoria (SRBV). Graduates are eligible to apply for membership of the Institution of Surveyors Victoria (ISV) and the Surveying and Spatial Sciences Institute (SSSI).

The program is currently seeking international accreditation with the Royal Institute of Chartered Surveyors (RICS).

YOU MAY ALSO BE INTERESTED IN...
- Geospatial science (page 155)
- Civil engineering (page 114)
## ENTRY REQUIREMENTS

### Entry requirements by country

The minimum entry scores published in the tables below are for entry into RMIT programs offered at Melbourne campuses only. They should be used as a guide only. RMIT may vary these entry requirements at any time.

### Program Requirements

<table>
<thead>
<tr>
<th>PROGRAM CODE</th>
<th>Program Name</th>
<th>Australian Year 12 Equivalent (Minimum Average %)</th>
<th>Australian IELTS Overall Band (Individual Band)</th>
<th>Singapore Cambridge O水准 ‘A’ Levels H1/H2</th>
<th>China Gao San (Senior Middle 3)</th>
<th>Hong Kong HKDSE</th>
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<tr>
<td></td>
<td>Interior Design and Decoration</td>
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<td>3</td>
<td>24</td>
<td>70%</td>
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<tr>
<td></td>
<td>Building Design (Architectural)</td>
<td>50</td>
<td>5.5 (5.0)</td>
<td>3</td>
<td>24</td>
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<tr>
<td></td>
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<td>Applied Science (Property and Valuation)</td>
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<td>Design (Interior Design)</td>
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<td>Custom made Footwear</td>
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<td></td>
<td>Design</td>
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### Notes:
- **FL1:** You must supply evidence of your creativity in the form of a folio that contains a variety of your personal work in art, design or media relevant to the program/s you are applying for. The folio should demonstrate your interests and creative thinking as well as your conceptual, design, problem solving and technical skills. You should include evidence of how ideas were developed, as well as finished works. Examples of work to include in your folio are drawings, paintings, graphic designs, photographs, digital images, models, sculpture, video, scripting, short stories, and/or 2D and 3D Flash animation.
- **FL2:** If you have completed at least one year of a diploma or degree in Architecture, Interior Design, Industrial Design, or Landscape Architecture, you may be considered for exemptions. In this case, the pre-selection kit is not required however you must submit a folio, course syllabus, CV and a letter outlining your reason for applying.
- **FL3:** It is recommended that you explain each work to help the Selection Officer understand the purpose and background of that work.
- **FL4:** You are required to submit a completed pre-selection kit along with your application. Please download this kit on www.rmit.edu.au/programs/x where ‘x’ is the program code, e.g. bp250.
- **FL5:** Shortlisted applicants may be required to present their folio to a selection panel (either in person, or via phone/Skype).
- **FL6:** You must include in your application an explanation of your reasons for wanting to study the program and include details of any work or other experience. You may be required to attend a pre-selection assessment. If you are living outside Melbourne, you may be required to complete this task electronically.
- **FL7:** You must present your folio at an assessment session (if you are living outside Melbourne, this can be conducted via email, phone or Skype).
For undergraduate entry point, total must include minimum C in General Paper (H1) or in Knowledge and Inquiry (H2).

- IB (International Baccalaureate) – Aggregate scores include bonus and penalty points.
- China Gao San (Senior Middle 3) – Overall average Senior Middle 2 semester one and two.
- HKDSE – Points calculated on a level achieved. Minimum level 3 required for English and any category A prerequisite. Minimum level 2 required for all other subjects (Core and Category A elective), Minimum level 2 category B and C electives may be accepted depending on the program of entry.
- ISC – Overall average for graded subjects including prerequisites.
- AISSC – Overall average for subjects including prerequisites, excluding Work Experience, Physical and Health Education and General Studies.
- Surat Keterangan Hasil Ujian Nasional (SKHUN) – Overall average grades from fifth and sixth semesters of STTB: SMA or STTB: SMK and SKHUN. Prerequisites must be included in the grade calculation.
- Bang Tотnghiep Trung hoc Pho thong – Minimum score average from final year of senior high school and the provision of the Senior High School Graduation Diploma (Bang Tотnghiep Trung hoc Pho thong) – ‘Trung Binh/Kha/Gioi’.

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### NOTES:

#### FL1
You must supply evidence of your creativity in the form of a folio that contains a variety of your personal work in art, design or media relevant to the program/s you are applying for. The folio should demonstrate your interests and creative thinking as well as your conceptual, design, problem solving and technical skills. You should include evidence of how ideas were developed, as well as finished works. Examples of work to include in your folio are drawings, paintings, graphic designs, photographs, digital images, models, sculpture, video, scripting, short stories, and/or 2D and 3D Flash animation. It is recommended that you explain each work to help the Selection Officer understand the purpose and background of that work. Folios should be submitted electronically on a CD with files in PDF, JPEG, SWF, DCR or QuickTime format suitable to be read on Mac OSX or later, unless otherwise specified. Each electronic file should be no larger than 10MB.

#### FL2
You must present your folio at an assessment session (if you are living outside Melbourne, this can be conducted via email, phone or Skype).

#### FL3
Shortlisted applicants may be required to present their folio to a selection panel (either in person, or via phone/Skype).

#### FL4
The folio should contain a variety of work that expresses your fashion and design interests. It should demonstrate your creative, conceptual and technical ability. You should include evidence of how ideas were developed and finished work. Include work that shows how you document your ideas and creative thinking. Include any work that demonstrates your potential to follow a design process.
### Program Options

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<td>BP196</td>
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<td>Arts (Fine Art)—sculpture, sound and spatial Practice 70 6.5 (6.0) 7 27 80% 16</td>
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<td>BP211</td>
<td>Applied science (Fashion and textiles Merchandising) — — — — — —</td>
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<td>AD007</td>
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</table>

### Program Codes

- **ASSC/Isc (%) Average:** The average percentage of marks obtained in the Higher Secondary Certificate (HSC) or its equivalent.
- **SKHUN (%) Average:** The average percentage of marks obtained in the Senior High School Graduation Diploma (SKHUN) or its equivalent.
- **STPM/GCE A Levels:** The average percentage of marks obtained in the STPM or the GCE A Levels.
- **CUMULATIVE GPA:** The student's cumulative grade point average.
- **BANG TOTNGHIEP TRUNG HOC PHO THONG:** The average score obtained in the Senior High School Graduation Diploma (Bang Totngiep Trung hoc Pho thong).

### Entry Requirements

- **Singapore Cambridge GCE A Levels and Malaysia STPM:** For undergraduate entry point, total must include minimum C in General Paper (H1) or in Knowledge and Inquiry (H2).
- **IB (International Baccalaureate):** Aggregate scores include bonus and penalty points.
- **China Gao San (Senior Middle 3):** Overall average Senior Middle 2 semester one and two.
- **HKDSE:** Points calculated on a level achieved. Minimum level 3 required for English and any category A prerequisite. Minimum level 2 required for all other subjects (Core and Category A elective). Minimum level 2 category B and C electives may be accepted depending on the program entry.
- **ISC:** Overall average for graded subjects including prerequisites.
- **ASSC:** Overall average for subjects including prerequisites, excluding Work Experience, Physical and Health Education and General Studies.
- **Surat Keterangan Hasil Ujian Nasional (SKHUN):** Overall average grades from fifth and sixth semesters of STTB: SMA or STTB: SMK and SKHUN. Prerequisites must be included in the grade calculation.
- **Bang Totngiep Trung hoc Pho thong:** Minimum score average from final year of senior high school and the provision of the Senior High School Graduation Diploma (Bang Totngiep Trung hoc Pho thong) – ‘Trung Binh/Kha/Gioi’.

### Notes

- **N1:** You must include in your application an explanation of your reasons for wanting to study the program and include details of any work or other experience. You may be required to attend a pre-selection assessment. If you are living outside Melbourne, you may be required to complete this task electronically.
- **N2:** Entry into the program is subject to completing the RMIT Associate Degree in Fashion and Textiles Merchandising, or equivalent. Applicants who have not completed the RMIT qualifications may articulate if their qualifications are deemed equivalent.
- **N3:** Entry into the program is subject to completing the RMIT Associate Degree in Fashion Design and Technology, or equivalent. Applicants who have not completed the RMIT qualifications may articulate if their qualifications are deemed equivalent.
- **N4:** You are required to submit a completed pre-selection kit along with your application. Please download this kit on [www.rmit.edu.au/programs/x](http://www.rmit.edu.au/programs/x) where ‘x’ is the program code, e.g. bp250.
- **N5:** For International business programs successful completion of the certificate program is a prerequisite for entry into the diploma program. Successful completion of the diploma program is a prerequisite for entry into the advanced diploma program.
- **V1:** VCE Units 3 and 4 Mathematical Methods (CAS) or Specialist Maths
- **V2:** VCE Mathematical Methods (CAS) or Specialist Maths
- **V3:** VCE Units 3 and 4 Specialist English
## ENTRY REQUIREMENTS

### BACHELOR DEGREE

<table>
<thead>
<tr>
<th>PROGRAM CODE</th>
<th>PROGRAM NAME</th>
<th>AUSTRALIAN YEAR 12 EQUIVALENT (MINIMUM AVERAGE %)</th>
<th>ACADEMIC IELTS LEVELS (OVERALL BAND)</th>
<th>SINGAPORE CAMBRIDGE GCE 'A' LEVELS</th>
<th>CHINA</th>
<th>HONG KONG</th>
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<td>BP254</td>
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<tr>
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### COMMUNICATION AND DIGITAL MEDIA

#### CERTIFICATE IV

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<th>CODE</th>
<th>PROGRAM NAME</th>
<th>ACADEMIC IELTS LEVELS</th>
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#### DIPLOMA

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#### ASSOCIATE DEGREE

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#### BACHELOR DEGREE

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### NOTES:

- **FL1** Resume
- **FL2** You must supply evidence of your creativity in the form of a folio that contains a variety of your personal work in art, design or media relevant to the program/s you are applying for. The folio should demonstrate your interests and creative thinking as well as your conceptual, design, problem solving and technical skills. You should include evidence of how ideas were developed, as well as finished works. Examples of work to include in your folio are drawings, paintings, graphic designs, photographs, digital images, models, sculpture, video, scripting, short stories, and/or 2D and 3D Flash animation. It is recommended that you explain each work to help the Selection Officer understand the purpose and background of that work. Folios should be submitted electronically on a CD with files in PDF, JPEG, SWF, DCR or QuickTime format suitable to be read on Mac OSX or later, unless otherwise specified. Each electronic file should be no larger than 10MB.
- **FL3** You must present your folio at an assessment session (if you are living outside Melbourne, this can be conducted via email, phone or Skype).
- **FL4** Shortlisted applicants may be required to present their folio to a selection panel (either in person, or via phone/Skype).
- **FL5** You may be interviewed, either in person or via phone/Skype.
- **FL6** Referee reports x two
- **FL7** You must include with your application a statement explaining your reasons for wanting to study Sound Production, providing details of hardware or software you have used, and including details of any relevant work or other experience.
- **FL8** You must include with your application a statement explaining your reasons for wanting to study Music industry and include details of any relevant work, study, performance or sound production experience.
- **FL9** If you have completed an Australian Year 12 or equivalent senior secondary school studies, or RMIT Foundation Studies program more than 12 months ago, you must include with your application a statement outlining your reasons for wanting to study Journalism, including details of any attempts to have work published or broadcast, and demonstrating awareness of the current media landscape, its evolution, and its effect on the journalism industry.
### Entry Requirements

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<th>INDONESIA</th>
<th>MALAYSIA</th>
<th>THAILAND</th>
<th>VIETNAM</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
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70 75 8 2.67 3.2 8.5 PSK
70 75 8 2.67 3.2 8.5 PSK
70 75 8 2.67 3.2 8.5 PSK

**NOTES:**

1. If you have completed an Australian Year 12 or equivalent senior secondary school studies, or RMIT Foundation Studies program more than 12 months ago, you must include with your application a statement outlining your reasons for wanting to study Media, including details of any prior experience in the industry and demonstrating awareness of the current media landscape, its evolution, and its effect on the media industry.

2. If you have completed an Australian Year 12 or equivalent senior secondary school studies, or RMIT Foundation Studies program more than 12 months ago, you must include with your application a statement outlining your reasons for wanting to study Professional Communication, and demonstrating awareness of the current media environment and the importance of developing skills across the industry sectors of Journalism, Media Production and Public Relations.

3. For International business programs, successful completion of the certificate program is a prerequisite for entry into the diploma program. Successful completion of the diploma program is a prerequisite for entry into the advanced diploma program.

**PR** For International business programs successful completion of the certificate program is a prerequisite for entry into the diploma program. Successful completion of the diploma program is a prerequisite for entry into the advanced diploma program.

**VCE** VCE Units 3 and 4 Mathematical Methods (CAS) or Specialist Maths

**VCE** VCE Mathematical Methods (CAS) or Specialist Maths

**PSK** You are required to submit a completed pre-selection kit along with your application. Please download this kit on www.rmit.edu.au/programs/x where “x” is the program code, e.g. bp250.
## ENTRY REQUIREMENTS

<table>
<thead>
<tr>
<th>PROGRAM CODE</th>
<th>PROGRAM NAME</th>
<th>AUSTRALIAN YEAR 12 EQUIVALENT (MINIMUM AVERAGE %)</th>
<th>ACADEMIC IELTS OVERALL BAND (INDIVIDUAL BAND)</th>
<th>SINGAPORE CAMBRIDGE GCE 'A' LEVELS H1/H2</th>
<th>CHINA GPA SAN (SENIOR MIDDLE 3)</th>
<th>HONG KONG HKDSE</th>
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<td>BP222</td>
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## COMMUNITY SERVICES AND SOCIAL SCIENCES

### DIPLOMA

<table>
<thead>
<tr>
<th>PROGRAM CODE</th>
<th>PROGRAM NAME</th>
<th>AUSTRALIAN YEAR 12 EQUIVALENT (MINIMUM AVERAGE %)</th>
<th>ACADEMIC IELTS OVERALL BAND (INDIVIDUAL BAND)</th>
<th>SINGAPORE CAMBRIDGE GCE 'A' LEVELS H1/H2</th>
<th>CHINA GPA SAN (SENIOR MIDDLE 3)</th>
<th>HONG KONG HKDSE</th>
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<tbody>
<tr>
<td>C5291</td>
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### ADVANCED DIPLOMA

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<tr>
<th>PROGRAM CODE</th>
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<th>SINGAPORE CAMBRIDGE GCE 'A' LEVELS H1/H2</th>
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<tr>
<td>C6111</td>
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### BACHELOR DEGREE

<table>
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<tr>
<th>PROGRAM CODE</th>
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<th>AUSTRALIAN YEAR 12 EQUIVALENT (MINIMUM AVERAGE %)</th>
<th>ACADEMIC IELTS OVERALL BAND (INDIVIDUAL BAND)</th>
<th>SINGAPORE CAMBRIDGE GCE 'A' LEVELS H1/H2</th>
<th>CHINA GPA SAN (SENIOR MIDDLE 3)</th>
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<tbody>
<tr>
<td>BP023</td>
<td>Criminal Justice Administration</td>
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<tr>
<td>BP295</td>
<td>Criminology and Psychology</td>
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<tr>
<td>BP204</td>
<td>Legal and Dispute Studies</td>
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<tr>
<td>BP112</td>
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<td>BP026</td>
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<tr>
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### DOUBLE DEGREE (TWO BACHELOR DEGREES)

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<tr>
<td>BP113</td>
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## COMPUTING AND INFORMATION TECHNOLOGY

### DIPLOMA

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<th>SINGAPORE CAMBRIDGE GCE 'A' LEVELS H1/H2</th>
<th>CHINA GPA SAN (SENIOR MIDDLE 3)</th>
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### ASSOCIATE DEGREE

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<th>ACADEMIC IELTS OVERALL BAND (INDIVIDUAL BAND)</th>
<th>SINGAPORE CAMBRIDGE GCE 'A' LEVELS H1/H2</th>
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<tr>
<td>AD006</td>
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### BACHELOR DEGREE

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<th>ACADEMIC IELTS OVERALL BAND (INDIVIDUAL BAND)</th>
<th>SINGAPORE CAMBRIDGE GCE 'A' LEVELS H1/H2</th>
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<th>HONG KONG HKDSE</th>
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<tbody>
<tr>
<td>BP138</td>
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<tr>
<td>BP094</td>
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<td>65</td>
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<tr>
<td>BP094APP8</td>
<td>Computer Science (Application Programming)</td>
<td>65</td>
<td>6.5 (6.0)</td>
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<td>BP094COMB</td>
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<tr>
<td>BP094GDB8</td>
<td>Computer Science (Games, Graphics, and Digital Media)</td>
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<tr>
<td>BP094NET8</td>
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<tr>
<td>BP094SEC8</td>
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<tr>
<td>BP094SYS8</td>
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<td>6.5 (6.0)</td>
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<td>25</td>
<td>75%</td>
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<tr>
<td>BP094WEB8</td>
<td>Computer Science (Web Systems)</td>
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<td>6.5 (6.0)</td>
<td>6</td>
<td>25</td>
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<tr>
<td>BP162APP8</td>
<td>Information Technology (Application Programming)</td>
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<td>6.5 (6.0)</td>
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<td>BP162BA8</td>
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<tr>
<td>BP162MUL8</td>
<td>Information Technology (Multimedia Design)</td>
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<tr>
<td>BP162NET8</td>
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<td>65</td>
<td>6.5 (6.0)</td>
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<td>75%</td>
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<tr>
<td>BP162SYS8</td>
<td>Information Technology (System Administration)</td>
<td>65</td>
<td>6.5 (6.0)</td>
<td>6</td>
<td>25</td>
<td>75%</td>
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<tr>
<td>BP162WEB8</td>
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<td>65</td>
<td>6.5 (6.0)</td>
<td>6</td>
<td>25</td>
<td>75%</td>
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### NOTES:

- **FL1**: You must supply evidence of your creativity in the form of a folio that contains a variety of your personal work in art, design or media relevant to the program/s you are applying for. The folio should demonstrate your interests and creative thinking as well as your conceptual, design, problem solving and technical skills. You should include evidence of how ideas were developed, as well as finished works.

- **FL2**: Examples of work to include in your folio are drawings, paintings, graphic designs, photographs, digital images, models, sculpture, video, scripting, short stories, and/or 2D and 3D Flash animation. It is recommended that you explain each work to help the Selection Officer understand the purpose and background of that work.

Folios should be submitted electronically on a CD with files in PDF, JPEG, SWF, DCR or QuickTime format suitable to be read on Mac OS X or later, unless otherwise specified. Each electronic file should be no larger than 10MB.

- **FL3**: You must present your folio at an assessment session (if you are living outside Melbourne, this can be conducted via email, phone or Skype).

- **FL4**: You must be at least 18 years of age on 1 January of the year of the application.

- **FL5**: You are required to submit a completed Bilingual Test along with your application. The test can be downloaded from www.rmit.edu.au/programs/cxxxx where ‘xxxx’ is the program code.
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<tr>
<th>Country</th>
<th>Malaysia</th>
<th>Thailland</th>
<th>Vietnam</th>
<th>Other Requirements</th>
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</tr>
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<td>Indonesia</td>
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<td><em>(Bilingual Age)</em></td>
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### Notes:

1. **Singapore Cambridge GCE A Levels and Malaysia STPM** – For undergraduate entry point, total must include minimum C in General Paper (H1) or in Knowledge and Inquiry (H2).
2. **IB (International Baccalaureate)** – Aggregate scores include bonus and penalty points.
3. **China Gao San (Senior Middle 3)** – Overall average Senior Middle 2 semester one and two.
4. **HKDSE** – Points calculated on a level achieved. Minimum level 3 required for English and any category A prerequisite. Minimum level 2 required for all other subjects (Core and Category A elective), Minimum level 2 category B and C electives may be accepted depending on the program of entry.
5. **ISC** – Overall average for graded subjects including prerequisites.
6. **AISSC** – Overall average for subjects including prerequisites, excluding Work Experience, Physical and Health Education and General Studies.
7. **Surat Keterangan Hasil Ujian Nasional (SKHUN)** – Overall average grades from fifth and sixth semesters of STTB: SMA or STTB: SMK and SKHUN. Prerequisites must be included in the grade calculation.
8. **Bang Totnhiep Trung hoc Pho thong** – Minimum score average from final year of senior high school and the provision of the Senior High School Graduation Diploma (Bang Totnhiep Trung hoc Pho thong) – “Trung Binh/Kha/Gioi”.

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**Entry Requirements**

If you have completed an Australian Year 12 or equivalent senior secondary school studies, or RMIT Foundation Studies program more than 12 months ago, you must include with your application a statement outlining your reasons for wanting to study the program and include details of any relevant work or other experience.

If you have completed an Australian Year 12 or equivalent senior secondary school studies, or RMIT Foundation Studies program more than 12 months ago, you must include with your application a statement outlining your reasons for wanting to study the program and include details of any relevant work or other experience.

**Knowledge and Inquiry (H2).**

**Overall average for subjects including prerequisites, excluding Work Experience, Physical and Health Education and General Studies.**

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**If you have completed an Australian Year 12 or equivalent senior secondary school studies, or RMIT Foundation Studies program more than 12 months ago, you must include with your application a statement outlining your reasons for wanting to study Public Relations, including details of any prior experience in the industry, and demonstrate awareness of the current media landscape, its evolution, and its effect on the public relations industry.**

**You may be interviewed, either in person or via phone/skype.**

**VCE Units 3 and 4 Mathematical Methods (CAS) or Specialist Maths**

**VCE Mathematical Methods (CAS) or Specialist Maths**

**VCE Mathematics (any)**
## ENTRY REQUIREMENTS

<table>
<thead>
<tr>
<th>PROGRAM CODE</th>
<th>PROGRAM NAME</th>
<th>AUSTRALIAN YEAR 12 EQUIVALENT (MINIMUM AVERAGE %)</th>
<th>ACADEMIC IELTS OVERALL BAND (INDIVIDUAL BAND)</th>
<th>SINGAPORE CAMBRIDGE GCE ‘A’ LEVELS</th>
<th>CHINA</th>
<th>HONG KONG</th>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>H1/H2</td>
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<tr>
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<tr>
<td>AD023</td>
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<tr>
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<td>75%</td>
</tr>
</tbody>
</table>

**NOTES:**

- **M1** Biology
- **M2** Chemistry
- **CODE** Applicants are expected to follow professional requirements such as behaviour, dress and attendance.
- **INT** You may be interviewed, either in person or via phone/Skype.
- **PHY** Physics
- **FLY** Successful applicants must obtain a Statutory Class 1 Medical Clearance prior to course commencement. Fees include all flying tuition and theory delivery. Additional practicum may be required to meet regulatory standards. Fees exclude books, ancillary equipment and CASA exams.
- **V1** VCE Units 3 and 4 Mathematics (any)
- **V2** VCE Units 3 and 4 Mathematical Methods (CAS) or Specialist Maths
- **V3** VCE Mathematical Methods (CAS) or Specialist Maths

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<table>
<thead>
<tr>
<th>Country</th>
<th>AISSC/ISC (% AVERAGE)</th>
<th>HIGHER SECONDARY CERTIFICATE (HSC) (% AVERAGE)</th>
<th>SKHUN (AVERAGE)</th>
<th>STPM CUMULATIVE GPA</th>
<th>BANG TOTNGHIEP TRUNG HOC PHO THONG</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
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<tbody>
<tr>
<td>INDIA</td>
<td>65 70</td>
<td>8 2.33</td>
<td>3 8</td>
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<td>Maths or WWC</td>
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<td>INDONESIA</td>
<td>65 70</td>
<td>8 2.33</td>
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<td>Higher Maths or</td>
<td>Maths or WWC</td>
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<tr>
<td>MALAYSIA</td>
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<td>3.2 8.5</td>
<td>Higher Maths or</td>
<td>Maths WWC</td>
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</tr>
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NOTES:

1. VCE Mathematics (any)
2. VCE units 1 and 2—two units of general maths or Mathematical Methods (CAS), Units 3 and 4—one of Physical Education, Biology, Chemistry, Maths Methods (CAS), Specialist Maths or Physics
3. VCE Mathematics: Units 1 and 2 (any study combination)
4. VCE Units 3 and 4 Mathematics (any)
5. VCE Mathematical Methods (CAS)
6. VCE Units 3 and 4 Mathematical Methods (CAS)
7. VCE Units 3 and 4 Chemistry and Mathematical Methods (CAS)
8. This program includes a professional practice work placement. A Working with Children Check is required prior to commencing the program.
9. Singapore Cambridge GCE A Levels and Malaysia STPM – For undergraduate entry point, total must include minimum C in General Paper (H1) or in Knowledge and Inquiry (H2).
10. IB (International Baccalaureate) – Aggregate scores include bonus and penalty points.
11. China Gao San (Senior Middle 3) – Overall average Senior Middle 2 semester one and two.
12. HKDSE – Points calculated on a level achieved. Minimum level 3 required for English and any category A prerequisite. Minimum level 2 required for all other subjects (Core and Category A elective). Minimum level 2 category B and C electives may be accepted depending on the program of entry.
13. ISC – Overall average for graded subjects including prerequisites.
14. AISSC – Overall average for subjects including prerequisites, excluding Work Experience, Physical and Health Education and General Studies.
15. Surat Keterangan Hasil Ujian Nasional (SKHUN) – Overall average grades from fifth and sixth semesters of STTB: SMA or STTB: SMK and SKHUN. Prerequisites must be included in the grade calculation.

Minimum level 3 required for English and any category A prerequisite. Minimum level 2 required for all other subjects (Core and Category A elective). Minimum level 2 category B and C electives may be accepted depending on the program of entry.
## ENTRY REQUIREMENTS

<table>
<thead>
<tr>
<th>PROGRAM CODE</th>
<th>PROGRAM NAME</th>
<th>AUSTRALIAN YEAR 12 EQUIVALENT (MINIMUM AVERAGE %)</th>
<th>ACADEMIC IELTS OVERALL (INDIVIDUAL BAND)</th>
<th>SINGAPORE CAMBRIDGE GCE 'A' LEVELS H1/H2</th>
<th>CHINA</th>
<th>HONG KONG</th>
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<tr>
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**DOUBLE DEGREE (TWO BACHELOR DEGREES)**

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<th>HONG KONG</th>
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<tr>
<td>BP291</td>
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<tr>
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<tr>
<td>BP202</td>
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<tr>
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<tr>
<td>BP002</td>
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<td>BP065</td>
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<tr>
<td>BP246</td>
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<tr>
<td>BP285</td>
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<td>70</td>
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<td>BP283</td>
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<tr>
<td>BP235</td>
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## ENVIRONMENT AND PLANNING

### DIPLOMA

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<th>PROGRAM CODE</th>
<th>PROGRAM NAME</th>
<th>AUSTRALIAN YEAR 12 EQUIVALENT (MINIMUM AVERAGE %)</th>
<th>ACADEMIC IELTS OVERALL (INDIVIDUAL BAND)</th>
<th>SINGAPORE CAMBRIDGE GCE 'A' LEVELS H1/H2</th>
<th>CHINA</th>
<th>HONG KONG</th>
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### BACHELOR DEGREE

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<th>PROGRAM NAME</th>
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<th>ACADEMIC IELTS OVERALL (INDIVIDUAL BAND)</th>
<th>SINGAPORE CAMBRIDGE GCE 'A' LEVELS H1/H2</th>
<th>CHINA</th>
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<td>BP056</td>
<td>Engineering (Environmental Engineering)</td>
<td>65</td>
<td>6.5 (6.0)</td>
<td>6</td>
<td>25</td>
<td>75%</td>
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<tr>
<td>BP192</td>
<td>Environmental Science</td>
<td>65</td>
<td>6.5 (6.0)</td>
<td>6</td>
<td>25</td>
<td>75%</td>
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</table>

### NOTES:

- **BIO** Biology
- **CHEM** Chemistry
- **PHYS** Physics
- **MATH** VCE Units 3 and 4 Mathematics (any)
- **STATEMENT** A statement (400–500) words detailing your understanding of the program and personal goals on completion.
- **V1** VCE Mathematics (any)
- **V2** VCE Mathematics: Units 1 and 2 (any study combination)
- **V3** VCE Units 3 and 4 Mathematics (any)
- **V4** VCE Mathematical Methods (CAS)
- **V5** VCE Units 3 and 4 Mathematical Methods (CAS)
- **V6** VCE Units 3 and 4 Chemistry and Mathematical Methods (CAS)
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<tr>
<th>INDIA</th>
<th>INDONESIA</th>
<th>MALAYSIA</th>
<th>THAILAND</th>
<th>VIETNAM</th>
<th>PREREQUISITES AND OTHER REQUIREMENTS</th>
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<td>AISSC/ISC (%) AVERAGE</td>
<td>HIGHER SECONDARY CERTIFICATE (HSC) (%) AVERAGE</td>
<td>SKHUN2 (AVERAGE)</td>
<td>STPM2 CUMULATIVE GPA</td>
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<td>8</td>
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<td>3</td>
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</tbody>
</table>

| 70 | 75 | 8 | 2.67 | 3.2 | 8.5 | Maths or \*4 |
| 70 | 75 | 8 | 2.67 | 3.2 | 8.5 | Higher Maths or \*8 |
| 70 | 75 | 8 | 2.67 | 3.2 | 8.5 | Higher Maths or \*8 |
| 70 | 75 | 8 | 2.67 | 3.2 | 8.5 | Higher Maths or \*8 |
| 70 | 75 | 8 | 2.67 | 3.2 | 8.5 | Higher Maths or \*8 |
| 70 | 75 | 8 | 2.67 | 3.2 | 8.5 | Higher Maths or \*8 |
| 70 | 75 | 8 | 2.67 | 3.2 | 8.5 | Higher Maths or \*8 |
| 70 | 75 | 8 | 2.67 | 3.2 | 8.5 | Higher Maths or \*8 |

| 50 | 55 | 6 | 1.33 | 2 | 6 | PSK |

| 65 | 70 | 8 | 2.33 | 3 | 8 | Higher Maths or \*7 |
| 65 | 70 | 8 | 2.33 | 3 | 8 | Higher Maths or \*7 |
| 65 | 70 | 8 | 2.33 | 3 | 8 | Higher Maths or \*7 |

\*1 Singapore Cambridge GCE A Levels and Malaysia STPM – For undergraduate entry point, total must include minimum C in General Paper (H1) or in Knowledge and Inquiry (H2).

\*2 IB (International Baccalaureate) – Aggregate scores include bonus and penalty points.

\*3 China Gao San (Senior Middle 3) – Overall average Senior Middle 2 semester one and two.

\*4 HKDSE – Points calculated on a level achieved. Minimum level 3 required for English and any category A prerequisite. Minimum level 2 required for all other subjects (Core and Category A elective). Minimum level 2 category B and C electives may be accepted depending on the program of entry.

\*5 ISC – Overall average for graded subjects including prerequisites.

\*6 AISSC – Overall average for subjects including prerequisites, excluding Work Experience, Physical and Health Education and General Studies.

\*7 Surat Keterangan Hasil Ujian Nasional (SKHUN) – Overall average grades from fifth and sixth semesters of STTB: SMA or STTB: SMK and SKHUN. Prerequisites must be included in the grade calculation.

\*8 Bang Totnhiep Trung hoc Pho thong – Minimum score average from final year of senior high school and the provision of the Senior High School Graduation Diploma (Bang Totnhiep Trung hoc Pho thong) – ‘Trung Binh/Kha/Gioi’.
## Entry Requirements

### Health and Medical Sciences

<table>
<thead>
<tr>
<th>Program Code</th>
<th>Program Name</th>
<th>Australian Year 12 Equivalent Minimum Average 1%</th>
<th>Academic IELTS Overall Band (Individual Band)</th>
<th>Singapore Cambridge GCE ‘A’ Levels I</th>
<th>China</th>
<th>Hong Kong</th>
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<tr>
<td>BP188</td>
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<tr>
<td>BP161</td>
<td>Environmental Science/Business (Management)</td>
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<td>BP235</td>
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<tr>
<td>BP193</td>
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### Health and Medical Sciences

<table>
<thead>
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<th>Program Name</th>
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<th>Academic IELTS Overall Band (Individual Band)</th>
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### Health and Medical Sciences

<table>
<thead>
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<th>Program Name</th>
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<tr>
<td>BP032</td>
<td>Nursing</td>
<td>65</td>
<td>6.5 (6.0)</td>
<td>6</td>
<td>25</td>
<td>75%</td>
</tr>
<tr>
<td>BP271</td>
<td>Pharmacy</td>
<td>65</td>
<td>6.5 (6.0)</td>
<td>6</td>
<td>25</td>
<td>75%</td>
</tr>
</tbody>
</table>

### Notes:

- **BP** Biology
- **CHEM** Chemistry
- **CHIRO** To gain registration as a chiropractor in Victoria, this program must be packaged with MC143 Master of Clinical Chiropractic.
- **CODE** Applicants are expected to follow professional requirements such as behaviour, dress and attendance.
- **EMP** Relevant employment experience will be considered
- **FAC** First Aid Certificate
- **NPRC** National Police Records Check
- **PHY** Physics
- **PSK** You must be prepared to undergo a police check in year one and each subsequent year of the program when you are registered with the Australian Health Practitioners Registration Authority (AHPRA) as a student of chiropractic.
- **PSK** You are required to submit a completed pre-selection kit along with your application. Please download this kit on www.rmit.edu.au/international/student-forms
<table>
<thead>
<tr>
<th>PROGRAM NAME</th>
<th>AVERAGE</th>
<th>MINIMUM</th>
<th>IELTS</th>
<th>PREREQUISITES</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACHELOR DEGREE</td>
<td>50 6.0 (5.5)</td>
<td>3 24</td>
<td>70% 10</td>
<td>V11 V10 V12</td>
</tr>
<tr>
<td>ASSOCIATE DEGREE</td>
<td>50 6.0 (5.5)</td>
<td>3 24</td>
<td>70% 10</td>
<td>V11 V10 V12</td>
</tr>
<tr>
<td>DIPLOMA</td>
<td>70 6.5 (6.0)</td>
<td>7 27</td>
<td>80% 16</td>
<td>V13 V14 V15</td>
</tr>
<tr>
<td>DOUBLE DEGREE</td>
<td>70 6.5 (6.0)</td>
<td>7 27</td>
<td>80% 16</td>
<td>V16 V17 V18</td>
</tr>
<tr>
<td>Biomedical Science</td>
<td>65 6.5 (6.0)</td>
<td>6 25</td>
<td>75% 15</td>
<td>V22 V23 V24</td>
</tr>
<tr>
<td>Physical Education</td>
<td>65 6.5 (6.0)</td>
<td>6 25</td>
<td>75% 15</td>
<td>V25 V26 V27</td>
</tr>
<tr>
<td>Psychology</td>
<td>65 6.5 (6.0)</td>
<td>6 25</td>
<td>75% 15</td>
<td>V28 V29 V30</td>
</tr>
<tr>
<td>Exercise and Sport Science</td>
<td>65 6.5 (6.0)</td>
<td>6 25</td>
<td>75% 15</td>
<td>V31 V32 V33</td>
</tr>
<tr>
<td>Nursing</td>
<td>65 6.5 (6.0)</td>
<td>6 25</td>
<td>75% 15</td>
<td>V34 V35 V36</td>
</tr>
<tr>
<td>Medical Radiations—Nuclear Medicine</td>
<td>65 6.5 (6.0)</td>
<td>6 25</td>
<td>75% 15</td>
<td>V37 V38 V39</td>
</tr>
<tr>
<td>Medical Radiations—Medical Imaging</td>
<td>65 6.5 (6.0)</td>
<td>6 25</td>
<td>75% 15</td>
<td>V40 V41 V42</td>
</tr>
</tbody>
</table>

**NOTES:**
- V12 VCE Units 3 and 4—one of Physical Education, Biology, Chemistry, Maths Methods (CAS), Specialist Maths or Physics
- WW – Working with Children Check is required prior to commencing the program.
- V11 V10 V12 – Points calculated on a level achieved.
- ISIC – Overall average for graduates including prerequisites.
- AISSC – Overall average for subjects including prerequisites, excluding Work Experience, Physical and Health Education, and General Studies.
- HKDSE – Points calculated on a level achieved.
- V13 V14 V15 – Minimum level 2 required for all other subjects (Core and Category A elective).
- V16 V17 V18 – Minimum level 2 category B and C electives may be accepted depending on the program of entry.
- V19 V20 V21 – Aggregate scores include bonus and penalty points.

**ENTRY REQUIREMENTS:**
- **Psychology+** A statement (400–500) words detailing your understanding of the program and personal goals on completion.
- **V1** VCE Units 3 and 4—Mathematical Methods (CAS) or Specialist Maths
- **V2** VCE Mathematical Methods (CAS) or Specialist Maths
- **V3** VCE Mathematics (any)
- **V4** VCE Chemistry and Mathematics (any) or Physics
- **V5** VCE One of Physical Education, Biology, Chemistry, Mathematical Methods (CAS), Specialist Maths or Physics
- **V6** VCE Units 3 and 4—one of Physical Education, Biology, Chemistry, Maths Methods (CAS), Specialist Maths or Physics
- **V7** This program includes a professional practice work placement and incurs additional cost.
- **V8** Children Check is required prior to commencing the program.
## ENTRY REQUIREMENTS

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>CODE</th>
<th>PROGRAM NAME</th>
<th>ACADEMIC IELTS OVERALL BAND (INDIVIDUAL BAND)</th>
<th>SINGAPORE CAMBRIDGE GCE ‘A’ LEVELS¹ H1/H2</th>
<th>CHINA</th>
<th>HONG KONG</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOUBLE DEGREE (TWO BACHELOR DEGREES)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BP249</td>
<td>Education/Applied Science (Disability)</td>
<td>70</td>
<td>6.5 (6.0)</td>
<td>7</td>
<td>27</td>
<td>80%</td>
</tr>
<tr>
<td>BP278</td>
<td>Health Science/Applied Science (Chinese Medicine)</td>
<td>70</td>
<td>6.5 (6.0)</td>
<td>7</td>
<td>27</td>
<td>80%</td>
</tr>
<tr>
<td>BP280</td>
<td>Health Science/Applied Science (Chiropractic)</td>
<td>70</td>
<td>6.5 (6.0)</td>
<td>7</td>
<td>27</td>
<td>80%</td>
</tr>
<tr>
<td>BP279</td>
<td>Health Science/Applied Science (Osteopathy)</td>
<td>70</td>
<td>6.5 (6.0)</td>
<td>7</td>
<td>27</td>
<td>80%</td>
</tr>
<tr>
<td>BP293</td>
<td>Science (Biotechnology)/Biomedical Science</td>
<td>70</td>
<td>6.5 (6.0)</td>
<td>7</td>
<td>27</td>
<td>80%</td>
</tr>
</tbody>
</table>

## SCIENCE

| DIPLOMA | | | |
|---------|------|--------------|-----------------------------------------------|-------------------|-------|
| CS282 | Laboratory Technology (Biotechnology) | 50 | 5.5 (5.0) | 3 | 24 |
| CS283 | Laboratory Technology (Pathology Testing) | 50 | 5.5 (5.0) | 3 | 24 |

| ASSOCIATE DEGREE | | | |
| AD012 | Applied Science | 50 | 6.0 (5.5) | 3 | 24 |

| BACHELOR DEGREE | | | |
| BP089 | Applied Science (Surveying) | 65 | 6.5 (6.0) | 6 | 25 |
| BP229APCH | Applied Chemistry | 65 | 6.5 (6.0) | 6 | 25 |
| BP229P7 | Applied Sciences | 65 | 6.5 (6.0) | 6 | 25 |
| BP229BISC | Biological Sciences | 65 | 6.5 (6.0) | 6 | 25 |
| BP226 | Biotechnology | 65 | 6.5 (6.0) | 6 | 25 |
| BP199 | Food Technology and Nutrition | 65 | 6.5 (6.0) | 6 | 25 |
| BP087 | Geospatial Science | 65 | 6.5 (6.0) | 6 | 25 |
| BP083 | Mathematics | 65 | 6.5 (6.0) | 6 | 25 |
| BP229 | Physics | 65 | 6.5 (6.0) | 6 | 25 |
| BP245 | Statistics | 65 | 6.5 (6.0) | 6 | 25 |

| DOUBLE DEGREE (TWO BACHELOR DEGREES) | | | |
| BP160 | Applied Chemistry/Business (Management) | 70 | 6.5 (6.0) | 7 | 27 |
| BP225 | Applied Chemistry/Engineering (Chemical Engineering) | 70 | 6.5 (6.0) | 7 | 27 |
| BP293 | Biotechnology/Biomedical Science | 70 | 6.5 (6.0) | 7 | 27 |
| BP159 | Engineering (Chemical Engineering)/Science (Biotechnology) | 70 | 6.5 (6.0) | 7 | 27 |
| BP289 | Food Technology/Business (Management) | 70 | 6.5 (6.0) | 7 | 27 |
| BP236 | Food Technology and Nutrition/Engineering (Chemical Engineering) | 70 | 6.5 (6.0) | 7 | 27 |
| BP247 | Nanotechnology/Applied Sciences | 70 | 6.5 (6.0) | 7 | 27 |
| BP007 | Physics/Engineering (Electronic and Communication Engineering) | 70 | 6.5 (6.0) | 7 | 27 |

NOTES:
- Biology
- Chemistry
- Applicants are expected to follow professional requirements such as behaviour, dress and attendance.
- Relevant employment experience will be considered
- VCE Units 3 and 4 Mathematics (any)
- National Police Records Check

VCE Units 3 and 4 Mathematical Methods (CAS) or Specialist Maths
- Psychology
- You are required to submit a completed pre-selection kit along with your application. Please download this kit on www.rmit.edu.au/international/student-forms

1. GAO SAN [SENIOR MIDDLE 3]
2. IB [INTERNATIONAL BACCALAUREATE]
3. HKS [HIGHER SECONDARY CERTIFICATE]
4. HKDSE [HONG KONG DIPLOMA]
5. AISSC/ISC [ASIAN INSTITUTE OF SCHOOLS (INDIA)]
6. HSC [HIGHER SECONDARY CERTIFICATE]
7. EMP [RELEVANT EMPLOYMENT]
8. STPM [SELANGOR TINGGIAH SECundaRy SCHOOL]
9. TOTNHIEP [THUPI 6 HIGHER SECONDARY SCHOOL]
10. WWC [WONG WAI KEE]
## Double Degree (Two Bachelor Degrees)

<table>
<thead>
<tr>
<th>Code</th>
<th>Program Name</th>
<th>Average</th>
<th>GPA</th>
<th>Level</th>
<th>IELTS</th>
<th>H1/H2</th>
<th>Subjects</th>
</tr>
</thead>
<tbody>
<tr>
<td>BP007</td>
<td>Physics/Engineering (Electronic and Communication Engineering)</td>
<td>70</td>
<td>6.5</td>
<td>7</td>
<td>27</td>
<td>80%</td>
<td>Maths or WWC</td>
</tr>
<tr>
<td>BP236</td>
<td>Food Technology and Nutrition/Engineering (Chemical Engineering)</td>
<td>70</td>
<td>6.5</td>
<td>7</td>
<td>27</td>
<td>80%</td>
<td>Maths or WWC</td>
</tr>
<tr>
<td>BP289</td>
<td>Food Technology/Business (Management)</td>
<td>70</td>
<td>6.5</td>
<td>7</td>
<td>27</td>
<td>80%</td>
<td>Maths or WWC, CHEM, PSY, PHY</td>
</tr>
<tr>
<td>BP225</td>
<td>Engineering (Chemical Engineering)/Science (Biotechnology)</td>
<td>70</td>
<td>6.5</td>
<td>7</td>
<td>27</td>
<td>80%</td>
<td>Maths or WWC, CHEM, PSY, PHY</td>
</tr>
<tr>
<td>BP159</td>
<td>Biotechnology/Biomedical Science</td>
<td>70</td>
<td>6.5</td>
<td>7</td>
<td>27</td>
<td>80%</td>
<td>Maths or WWC, CHEM, PSY, PHY</td>
</tr>
<tr>
<td>BP280</td>
<td>Applied Chemistry/Engineering (Chemical Engineering)</td>
<td>70</td>
<td>6.5</td>
<td>7</td>
<td>27</td>
<td>80%</td>
<td>Maths or WWC, CHEM, PSY, PHY</td>
</tr>
<tr>
<td>BP245</td>
<td>Physics</td>
<td>65</td>
<td>6.5</td>
<td>6</td>
<td>25</td>
<td>75%</td>
<td>Maths or WWC, CHEM, PSY, PHY</td>
</tr>
<tr>
<td>BP087</td>
<td>Mathematics</td>
<td>65</td>
<td>6.5</td>
<td>6</td>
<td>25</td>
<td>75%</td>
<td>Maths or WWC, CHEM, PSY, PHY</td>
</tr>
<tr>
<td>BP199</td>
<td>Biotechnology</td>
<td>65</td>
<td>6.5</td>
<td>6</td>
<td>25</td>
<td>75%</td>
<td>Maths or WWC, CHEM, PSY, PHY</td>
</tr>
<tr>
<td>BP229</td>
<td>Biomedical Sciences</td>
<td>65</td>
<td>6.5</td>
<td>6</td>
<td>25</td>
<td>75%</td>
<td>Maths or WWC, CHEM, PSY, PHY</td>
</tr>
<tr>
<td>BP229</td>
<td>Applied Sciences</td>
<td>65</td>
<td>6.5</td>
<td>6</td>
<td>25</td>
<td>75%</td>
<td>Maths or WWC, CHEM, PSY, PHY</td>
</tr>
<tr>
<td>BP229</td>
<td>Health Science/Applied Science (Chiropractic)</td>
<td>70</td>
<td>6.5</td>
<td>7</td>
<td>27</td>
<td>80%</td>
<td>Maths or WWC, CHEM, PSY, PHY</td>
</tr>
<tr>
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<td>Health Science/Applied Science (Chinese Medicine)</td>
<td>70</td>
<td>6.5</td>
<td>7</td>
<td>27</td>
<td>80%</td>
<td>Maths or WWC, CHEM, PSY, PHY</td>
</tr>
<tr>
<td>BP249</td>
<td>Education/Applied Science (Disability)</td>
<td>70</td>
<td>6.5</td>
<td>7</td>
<td>27</td>
<td>80%</td>
<td>Maths or WWC, CHEM, PSY, PHY</td>
</tr>
</tbody>
</table>

### Notes:
- **VCE** VCE Units 3 and 4—done of Physical Education, Biology, Chemistry, Maths Methods (CAS), Specialist Maths or Physics
- **V6** VCE Units 3 and 4 Mathematics (any)
- **V7** VCE Mathematical Methods (CAS)
- **WWC** This program includes a professional practice work placement. A Working with Children Check is required prior to commencing the program.
- **This program includes a professional practice work placement and incurs additional cost.**

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### Entry Requirements

- **Singapore Cambridge GCE A Levels and Malaysia STPM** – For undergraduate entry point, total must include minimum C in General Paper (H1) or in Knowledge and Inquiry (H2).
- **IB (International Baccalaureate)** – Aggregate scores include bonus and penalty points.
- **China Gao San (Senior Middle 3)** – Overall average Senior Middle 2 semester one and two.
- **HKDSE** – Points calculated on a level achieved. Minimum level 3 required for English and any category A prerequisite. Minimum level 2 required for all other subjects (Core and Category A elective). Minimum level 2 category B and C electives may be accepted depending on the program of entry.
- **ISC** – Overall average for graded subjects including prerequisites.
- **AISSC** – Overall average for subjects including prerequisites, excluding Work Experience, Physical and Health Education and General Studies.
- **Surat Keterangan Hasil Ujian Nasional (SKHUN)** – Overall average grades from fifth and sixth semesters of STTB: SMA or STTB: SMK and SKHUN. Prerequisites must be included in the grade calculation.
- **Bang Totnhiep Trung hoc Pho thong** – Minimum score average from final year of senior high school and the provision of the Senior High School Graduation Diploma (Bang Totnhiep Trung hoc Pho thong) – ‘Trung Binh/Kha/Gio’. 

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### Additional Notes

- Overall average for graded subjects including prerequisites.
- Overall average for subjects including prerequisites, excluding Work Experience, Physical Education and General Studies.
- Overall average for graded subjects including prerequisites.
All international students at RMIT University are required to provide evidence of English language proficiency. For admission into an undergraduate or diploma program, this can be done in one of the following ways.

**Option one**

You can provide evidence of English language proficiency through tests like the International English Language Testing System (IELTS) test or Test of English as a Foreign Language (TOEFL). Refer to IELTS entry requirements for specific programs on pages 160 – 175 and refer to equivalent test requirements below.

<table>
<thead>
<tr>
<th>IELTS (academic module)</th>
<th>TOEFL (internet based IBT)</th>
<th>TOEFL (paper based)</th>
<th>Pearson Test of English (PTE) Academic</th>
<th>Cambridge Academic English (CAE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5 overall band score with no individual band score below 5.0</td>
<td>Overall score 71 with minimum of 17 in all sections</td>
<td>530 (TWE 3.5)</td>
<td>42 no band less than 36</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Score 6.0 overall with an individual band score of 5.5</td>
<td>Overall score 79 with minimum of 19 in all sections</td>
<td>550+ (TWE 4.0)</td>
<td>50 no band less than 42</td>
<td>CAE Grade C</td>
</tr>
<tr>
<td>Score 6.5 overall with an individual band score of 6.0</td>
<td>Overall score 92 with minimum of 20 in all sections</td>
<td>580 (TWE 4.5)</td>
<td>58 no band less than 50</td>
<td>CAE Grade B</td>
</tr>
<tr>
<td>Score 7.0 overall with an individual band score of 6.5</td>
<td>Overall score 100 with minimum 24 in writing and 22 in all other sections</td>
<td>600 (TWE 5.0)</td>
<td>65 no band less than 58</td>
<td>CAE Grade B</td>
</tr>
</tbody>
</table>

Where an English language proficiency test is used for admission, the test must be taken no more than two years prior to the RMIT program commencement date.

**Option two**

Students from certain English speaking countries may be exempted from providing English proficiency tests. Refer to www.rmit.edu.au/international/english-equivalent.

**Option three**

Study English at RMIT English Worldwide (REW). Refer to page 177.
RMIT English Worldwide (REW) develops and delivers English language programs tailored for academic, business and industry purposes. Programs are delivered in Melbourne, Australia, and through partnerships in international locations.

REW programs support and prepare students and professionals to successfully engage in English in study and professional settings.

Academic English

English for Academic Purposes (EAP) programs are for students who need to meet the English language requirements of their selected programs. EAP assists students to develop key skills in critical thinking, independent learning and active participation in the classroom. Students who successfully complete an appropriate level of the EAP program will be eligible for entry into RMIT programs. They will not be required to sit for an International English Language Testing System (IELTS) or Test of English as a Foreign Language (TOEFL) test or equivalent.

The chart below is a guide to programs, levels and pathways available at REW. Each colour represents an REW program, and includes a summary of the IELTS, TOEFL or equivalent score required for admission, as well as the pathway options available. Students may also enter REW programs by completing a placement test.

<table>
<thead>
<tr>
<th>REW level*</th>
<th>Elementary (10 weeks)</th>
<th>Pre Intermediate (10 weeks)</th>
<th>Intermediate (10 weeks)</th>
<th>Upper Intermediate (10 weeks)</th>
<th>Advanced (10 weeks)</th>
<th>Advanced Plus (10 weeks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IELTS</td>
<td>2.0–3.0</td>
<td>3.5–4.0</td>
<td>4.5 no band &lt; 4.0</td>
<td>5.0 no band &lt; 4.5</td>
<td>5.5 no band &lt; 5.0</td>
<td>6.0 no band &lt; 5.5</td>
</tr>
<tr>
<td>TOEFL</td>
<td>Paper 350 (TWE 1.0)</td>
<td>425 (TWE 2.0)</td>
<td>450 (TWE 2.5)</td>
<td>500 (TWE 3.0)</td>
<td>527–530 (TWE 3.5–4.0)</td>
<td>550 (TWE 4.5)</td>
</tr>
<tr>
<td></td>
<td>iBT 19–20</td>
<td>32</td>
<td>45–46</td>
<td>61</td>
<td>71</td>
<td>79–80</td>
</tr>
<tr>
<td>Pearson's Test of English (PTE) Academic</td>
<td>23</td>
<td>26–29</td>
<td>30</td>
<td>36</td>
<td>42</td>
<td>50</td>
</tr>
<tr>
<td>Cambridge English (CAE)</td>
<td>—</td>
<td>—</td>
<td>36</td>
<td>41</td>
<td>47</td>
<td>52</td>
</tr>
</tbody>
</table>

Note:
* Each level comprises 200 hours of tuition. More than 50 hours of online self study materials are available at each level.

* Advanced Plus course does not cater to RMIT programs requiring IELTS 7.0 or equivalent.

www.rmitenglishworldwide.com

RMIT Training Pty Ltd
CRICOS Provider: 01912G
Once you have familiarised yourself with the relevant program details and entry requirements, you can submit your application.

**Submitting an application to RMIT University**

You may submit an application online, via Apply International. www.rmit.edu.au/international/how-to-apply

To ensure timely processing of your application, please ensure that all supporting documentation, evidence of English proficiency and academic transcripts are certified and provided with your application.

RMIT does not return documents or folios submitted with your application—please ensure you do not submit original documents.

Your application will be assessed in line with RMIT’s policies and procedures. If you are successful, you will receive an offer letter. You are then ready to accept your offer by following the instructions in your offer letter.

**Application procedures and dates**

There are no application deadlines, but it is recommended that you apply several months in advance due to the popularity of RMIT programs. You must allow ample time for visa and travel arrangements.

**Using an RMIT registered representative**

RMIT University has an approved network of registered representatives located around the world to assist you with any program and visa application queries. These representatives are well informed about the Australian education system and the RMIT application process.

www.international.rmit.edu.au/info/agentlist

<table>
<thead>
<tr>
<th>2014 academic calendar*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SEMESTER 1</strong></td>
</tr>
<tr>
<td>Teaching period</td>
</tr>
<tr>
<td>Mid semester break</td>
</tr>
<tr>
<td>Exam period</td>
</tr>
<tr>
<td>Semester break</td>
</tr>
</tbody>
</table>

| **SEMESTER 2** | **DEGREE** | **DIPLOMA** |
| Teaching period | 21 July – 17 October | 7 July – 31 October |
| Mid semester break | 1 – 5 September | 1 – 5 September |
| Exam period | 27 October – 14 November | 3 – 14 November |
| Graduation parade and ceremony | 17 December | 17 December |

*Dates are subject to change. Please refer to www.rmit.edu.au/students/important dates for the most up-to-date information.

**Academic information**

**Teaching methods**

Classes are taught in English in a combination of lecture seminar, tutorial, workshop, studio, practical and laboratory sessions. Students learn core information in lectures, followed by small group discussions in seminars and tutorials.

**Assessment**

Assessment is ongoing throughout the semester and may include examinations, essays, reports, oral class presentations, group projects, research projects, laboratory projects and practical assignments.
Applying for a student visa

International students are citizens of countries other than Australia and New Zealand who do not hold Australian permanent residency. In order to study in Australia, you must have an appropriate visa.

The process of obtaining a student visa is different in each country. You can contact your nearest Australian diplomatic post (Embassy, High Commission, Consulate or Consulate-General) or Australian Education Centre for information on the application procedure.

Students intending to travel to Australia or who are already in Australia on a different visa type need to contact the Department of Immigration and Citizenship (DIAC) regarding their eligibility to study.

Student visa applications are processed in the same way as assessment levels. Your assessment level is determined by:

1. your nationality
2. the type of program you will study.

Your assessment level will determine what documents will be required for your visa application, such as financial records and language proficiency certificates.

Check which documents you will be required to submit for your visa application on the DIAC website.

www.immi.gov.au/students/students/chooser

What is Streamlined Visa Processing (SVP)?

RMIT University participates in the DIAC Streamlined Visa Processing (SVP) program. This means you may be eligible to have your student visa processed under Assessment Level 1 guidelines if you have accepted a bachelor degree or exchange program. To be eligible for the SVP, you must have an electronic Confirmation of Enrolment (eCOE) and all the other documents required at the time of your visa application, and satisfy DIAC’s Genuine Temporary Entrant criteria.

If you are not eligible to participate in the SVP, student visas can take up to six months to process if you are from a country with assessment level 3, 4 or 5.

Australian Government regulations on student visas

Students are granted a student visa, subject to a number of conditions. Students must:

» maintain full-time enrolment in a CRICOS-registered program
» complete their program within the expected program duration, based on a full-time load unless extenuating circumstances exist
» maintain satisfactory requirements, such as academic progress and attendance
» keep RMIT notified of their address, and any change of address within seven days
» maintain Overseas Student Health Cover (OSHC) for the full duration of their student visa
» have the financial ability to meet likely costs in Australia (including travel, tuition and living expenses)
» ensure any family members of school age attend school in Australia
» abide by student visa work limitations
» complete at least six months of study in their principal program (the highest program in a package) unless permission to release is granted by principal provider.

For up-to-date information on student visa conditions, refer to www.immi.gov.au/students.


Enrolment variation and your student visa

Enrolment variation refers to any change to your enrolment status, including deferring your program, applying for a Leave of Absence or cancelling enrolment. RMIT is legally required to report certain enrolment variations and changes to DIAC. It is important that you understand how changing your enrolment will impact on the validity of your student visa.

www.rmit.edu.au/international/student-visa

Students under 18

If you are under the age of 18 at the time of applying for your visa, you must have accommodation and welfare arrangements in place that have been approved by DIAC directly, or by RMIT.

www.rmit.edu.au/international/under18

Students with families

RMIT welcomes students being accompanied by their families. If you are wishing to bring your spouse or children to Australia, you are responsible for supporting them financially (including the payment of annual school fees). Full-time education is compulsory for all children in Victoria from the age of 5 to 15 years. For further information, please refer to your nearest Australian diplomatic post, or the Department of Immigration and Citizenship.

www.immi.gov.au
## Glossary

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Articulation</td>
<td>Previous studies in one program can be recognised as providing an equivalent learning experience and can be credited as a portion of another program. Also see ‘Credit transfer’ and ‘Recognition of Prior Learning (RPL)’.</td>
</tr>
<tr>
<td>Assessment</td>
<td>The methods and procedures by which a student’s academic progress and standard are measured against the intended outcomes of the program of study.</td>
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<tr>
<td>ATN</td>
<td>Australian Technology Network—an influential alliance of five distinctive and prominent Australian universities located in each mainland state of Australia. It includes Curtin University of Technology, RMIT University, University of South Australia, University of Technology, Sydney, and Queensland University of Technology.</td>
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<tr>
<td>AusAID</td>
<td>Australian Agency for International Development.</td>
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<tr>
<td>Award</td>
<td>The doctorate, degree, certificate, diploma or other such qualification that is granted to a student upon the successful completion of their program.</td>
</tr>
<tr>
<td>Core course</td>
<td>A core course is a compulsory and fundamental subject of your program. It provides the ‘core’ or ‘main’ knowledge to your degree. Every program is made up of core courses and electives.</td>
</tr>
<tr>
<td>Course</td>
<td>A subject of study (e.g. Business Statistics A, Accounting B).</td>
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<tr>
<td>Course coordinator</td>
<td>The member of staff with overall responsibility for managing a course.</td>
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<tr>
<td>Credit point</td>
<td>In higher education, every course is worth a certain number of ‘credit points’. You must achieve the specified number of credit points, i.e. pass a specified number of courses from your program, in order to attain your degree. One course is usually equivalent to 12 credit points.</td>
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<tr>
<td>Credit transfer</td>
<td>If you have, in recent years, completed a course in another program that is very similar to a course offered in your current program, you can apply to transfer the credit points from that course and consequently reduce the length of your current program.</td>
</tr>
<tr>
<td>CRICOS</td>
<td>Commonwealth Register of Institutions and Courses for Overseas Students.</td>
</tr>
<tr>
<td>Electives</td>
<td>Every program is made up of core courses that students must complete, and a set of additional courses that students can select from. These are called electives. For example, someone completing an engineering degree may have the option of selecting one elective from a business degree. Your course schedule will indicate each semester how many electives you can choose and where you can choose them from.</td>
</tr>
<tr>
<td>Industry based learning</td>
<td>A program offered at undergraduate level in which students are offered the opportunity to undertake a full-time paid placement in industry in an area relevant to their studies.</td>
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<tr>
<td>Prerequisite</td>
<td>Some programs specify ‘prerequisite’ subjects that you must have completed before you are able to apply.</td>
</tr>
<tr>
<td>Program</td>
<td>The set of courses that are undertaken to qualify for an academic award (degree, diploma or other such qualification).</td>
</tr>
<tr>
<td>Recognition of prior learning (RPL)</td>
<td>Acknowledgement of a person’s skills and knowledge acquired through previous training, work or life experience, which may be used to grant status or credit in a course or module.</td>
</tr>
<tr>
<td>TAFE or Technical and Further Education</td>
<td>TAFE refers to hands-on, technical training and qualifications in the trades, paraprofessional and technical areas. Students who successfully complete a TAFE program will receive either an advanced diploma, a diploma, or a certificate and can often articulate into a university degree.</td>
</tr>
<tr>
<td>Unit</td>
<td>Same as a ‘Course’.</td>
</tr>
<tr>
<td>VET</td>
<td>Vocational Education and Training. ‘VET’ is used to refer to the sector within the education industry that provides training and qualifications in the trades, paraprofessional and technical areas. See TAFE.</td>
</tr>
<tr>
<td>Victorian Certificate of Education (VCE)</td>
<td>A certificate awarded to students who successfully complete their secondary schooling (high school) in the state of Victoria. This is often a prerequisite for any degree or diploma.</td>
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</tbody>
</table>
A vision for tomorrow that you can see today

RMIT is a global university of technology and design, and the new Swanston Academic Building, together with RMIT Design Hub, showcases RMIT’s investment in cutting-edge educational facilities. The Swanston Academic Building acts as a catalyst to accelerate the cross-pollination of new ideas.

There are many shared learning spaces fitted out with the latest technology, from a high-speed wireless network to LCD screens that can be accessed by multiple users.

This new building is also committed to sustainability, with reduced energy and water use, and has been accredited with a 5-star green rating. It is RMIT’s vision for tomorrow that you can see today.

A virtual tour of the building will be available online in early 2013.
Disclaimer: The information contained in this guide is subject to change without notice. It is the responsibility of the student to check and confirm all general and specific program information prior to lodging an application for enrolment. For the most up-to-date program information, please refer to the RMIT University website. Visit www.rmit.edu.au.

RMIT University CRICOS Provider Code: 00122A.