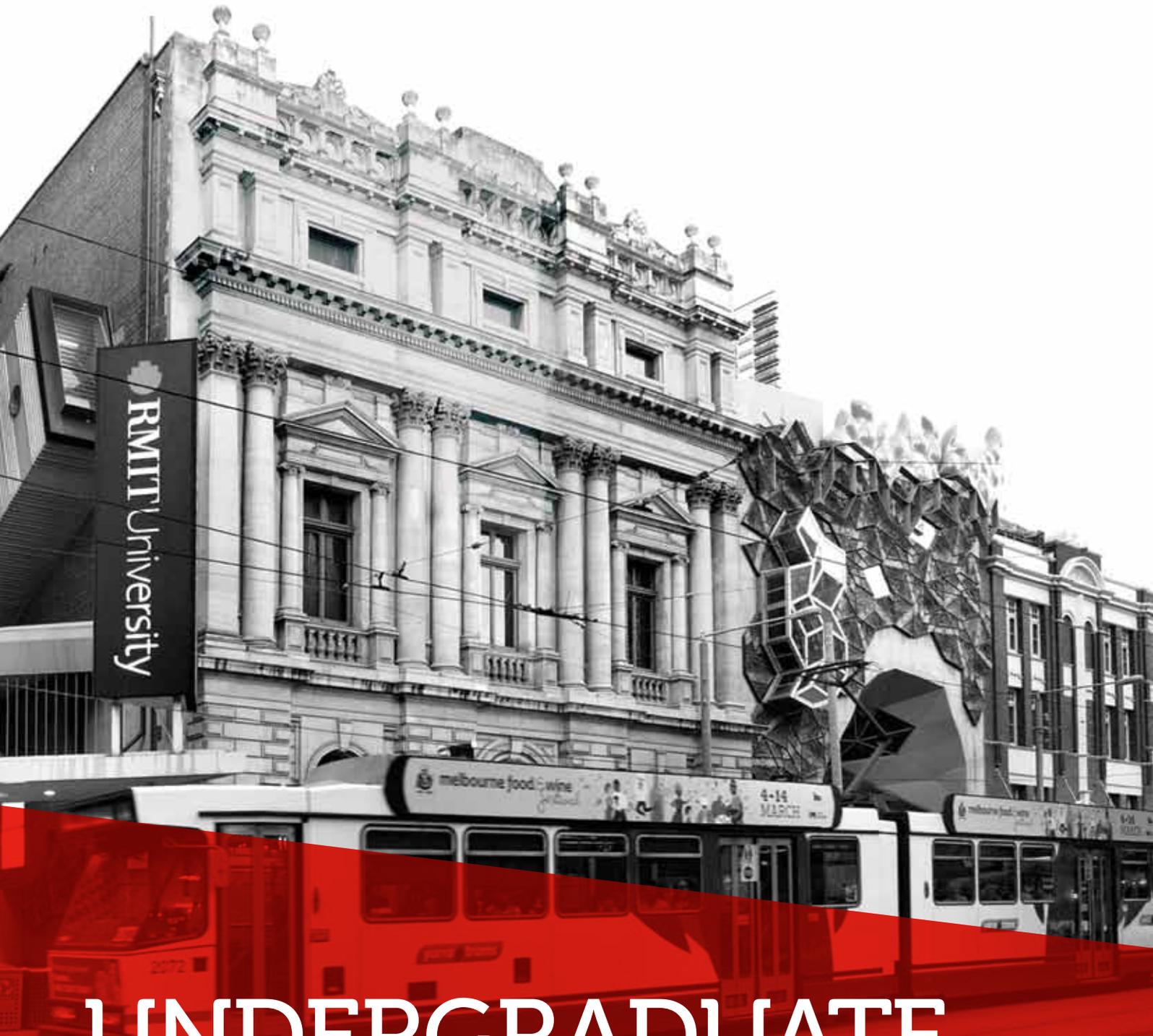


2012
PROGRAM GUIDE
FOR INTERNATIONAL STUDENTS

 **RMIT**
UNIVERSITY

Melbourne, Australia



UNDERGRADUATE AND DIPLOMA

I AM GLOBAL AND CONNECTED





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WELCOME



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 is now Australia's largest tertiary institution and has forged an international reputation for excellence in professional and vocational education. RMIT provides an urban experience and impact and is actively engaged with industry and the community.

RMIT campuses are in Melbourne (in the central business district, Brunswick and Bundoora) and in Vietnam (Ho Chi Minh City and Hanoi). The University also has strong links with partner institutions which deliver RMIT award programs in Singapore, Hong Kong, China and Malaysia, as well as having a strong educational presence in the Asia-Pacific region.

RMIT offers over 900 programs at degree and diploma level. The strong vocational orientation of our programs prepares graduates for employment and active participation in their communities. Programs include industry placements, work experience and the involvement of industry practitioners in teaching.

Collaborating with industry to provide solutions and innovations that deliver real outcomes is an integral part of our teaching, learning and research. Student mobility is actively encouraged through our international partners for student exchange.

As a result, our graduates possess a broad knowledge base, industry-honed skills and the ability to think critically and creatively. This gives our graduates a competitive edge when entering the international job market.

A handwritten signature in black ink that reads "Margaret Gardner". The script is fluid and cursive.

Professor Margaret Gardner AO
Vice-Chancellor and President

WHY RMIT?

RMIT is one of Australia's most respected educational institutions and one of the most internationalised universities in the world. Providing education to 73 900 students, RMIT offers the advantages of:

- » internationally recognised programs
- » state-of-the-art technology and facilities
- » international study exchanges across 31 countries
- » opportunities for work-integrated learning.

Working with industry

RMIT works on a philosophy of 'learning by doing' ensuring that students are engaged with industry throughout their degree and graduate work ready.

RMIT graduates have gone on to excel around the globe with organisations including Rolls-Royce, Airbus, Nestlé and KPMG, thanks to the preparation they received through:

- » collaborative project work with industry
- » field trips, clinical and studio practice
- » virtual business firms
- » guidance of world-class academics.

Over 5000 global employers ranked RMIT 76th in the world for the employability of its graduates (2010 QS World University Rankings).

Solving problems through research

RMIT is part of an international research community seeking innovative solutions to address emerging global problems.

In partnership with industry and communities across the world, RMIT's research institutes continue to drive change for a better future (see page 11).

In 2010, the Excellence in Research Australia (ERA) assessment found the quality of RMIT University research to be 'above world standard' in the disciplines of architecture, communication and media studies, human movement and sports science, mechanical engineering, pharmacology and pharmaceutical sciences, and urban and regional planning.

FAST FACTS

- » **Established:** 1887
- » **Total student population:** 73 900
- » **International student population:** 29 000+
- » **International onshore students:** 11 000+
- » **Campus locations:**
Melbourne, Australia (three campuses)
Ho Chi Minh City and Hanoi, Vietnam
- » **Qualification levels:** Foundation studies, English language, diplomas, undergraduate and postgraduate degrees
- » **Internationalisation:** Top five in the world for most internationalised student body and top 20 in the world for most internationalised academic staff (2010 QS World University Rankings).

RMIT AIMS TO INSPIRE AND EMPOWER YOU TO LEAVE YOUR MARK IN EVERY CHALLENGE YOU UNDERTAKE, AND TO FOSTER IN YOU A PASSION TO SUCCEED.

GLOBAL
ADVANTAGE



I AM GLOBAL IN ATTITUDE, ACTION AND PRESENCE

RMIT IS YOUR TICKET TO THE WORLD

By combining travel, study and work you will experience a life-changing adventure personally and academically. Take advantage of:

- » semester exchanges to over 120 partner institutions around the world, including RMIT Vietnam
- » international work experience with companies the likes of Rolls-Royce, BMW, IBM, Nestlé, Airbus, Boeing, CSIRO, Siemens, Bosch and more through RMIT's International Industry Experience and Research Program (RIIERP) www.rmit.edu.au/RIIERP
- » group study tours of up to one month in Europe, Asia and the Americas.

International recognition

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

- » full accreditation
- » membership of overseas professional associations
- » membership of Australian associations that have reciprocal membership arrangements with overseas bodies.

'My memory of Sweden will always remain in the winter between August 2010 and February 2011, when I was 24 and lived in the small and beautiful town named Borås.

'Borås is renowned for its reputation and long history in fabric design and production and the Textile and Fashion School of University of Borås is the first choice for local students in this field. This program has shaped my maturity, independence and taught me valuable lessons in life.

'Any student who has the means and the opportunity to be part of an exchange should definitely jump onboard.'

MEI YING TAN, MALAYSIA

BACHELOR OF ARTS (TEXTILE DESIGN) STUDENT UNDERTOOK AN EXCHANGE PROGRAM TO THE TEXTILE AND FASHION SCHOOL OF UNIVERSITY OF BORÅS, SWEDEN



STUDENT EXCHANGE

MAKE THE WORLD YOUR CLASSROOM

While studying at RMIT, take the opportunity to do a semester or two of your program in another country.

If you have always dreamed about living amongst the historic architecture of Vienna, getting lost in the bright lights of New York City or lying by the beaches of Mexico, this is the best way to do it:

- » choose from 120+ institutions in 31 countries (refer to the map above) including RMIT Vietnam
- » receive study credit towards your program without extending its length.

Global experience will make you stand out from the crowd demonstrating initiative, independence and personal growth. You will learn how to present your new-found skills and knowledge on your CV and at job interviews.

RMIT's Education Abroad Office will guide and support you through the entire process and ensure you have an academically rewarding experience. Travel grants and scholarships may also be available.

Don't miss out on what could be one of the most memorable experiences of your life!

www.rmit.edu.au/globalpassport/educationabroad

EXCHANGE STUDENT TESTIMONIALS

NITA WIROONSUP, THAILAND

Bachelor of Engineering (Aerospace Engineering) exchange to Nanjing University of Aeronautics and Astronautics (NUAA) in China



Airbus A325 of China Southern Airlines took off from Nanjing International Airport on Sunday 9th of January with me looking out to a land of memories drifting further and further away.

I sat with several farewell letters on my lap. The six months had flown by.

My journey as an Australian-Chinese exchange student began September 2010. I went to China with another 12 Australian students who were also doing second year Aerospace Engineering at RMIT.

China is the place where things happen every hour, around every corner. It is fascinating how this place is filled with so many amazing things—from the language, food, art, laws, beliefs, to the principles people set for their lives.

Living by myself far away from home was not a problem for me since I have been studying in different countries for many years. But what I have always found difficult is understanding different social beliefs that each society holds in order to learn and fit in. I was a Thai girl who was studying with Australian friends in the land of China!

Experimental Aerodynamics is what I found the most interesting. We analysed the motion of wind flow in many different conditions. All of what we learned in theory, formulae and calculations was put into a practical sense.

It was so fortunate for me to have been in the University's radio club (called 'CBS' which stands for Campus Broadcast Station). I got to exchange knowledge with local Chinese friends (most of them had never spoken to a foreigner before), and I met such wonderful and inspiring people through CBS whom always kept my spirit up and whom I wish to always keep in touch with.

Six months had gone so fast. Some part of me has changed as a person. I look back and I am surprised at how much I have grown. There is still a lot of things for me to look forward to in the future, but this trip to China as a University exchange student was a once in a life time experience that I will never forget.

INGRID MEDBY, NORWAY

Bachelor of Arts (International Studies) exchange to Ryerson University, Canada



Being an international student (from Norway) in Australia, a lot of people gave me a puzzled look when I told them I was going on exchange to Canada. However, in my mind there was never any doubt going on exchange was the right choice for me to make.

At RMIT University I am studying for a BA in International Studies.

As the name implies, international experience is extremely valuable. Having already studied Spanish in Cuba for one semester prior to commencing my Australian degree, I felt like I could allow myself to go somewhere they speak English. Both Toronto itself, and Ryerson University sounded wonderful. I was proven correct, as I immediately fell in love with the city. Like Melbourne, it is very multicultural, with lots of things happening all the time. I found Canadians to be tremendously friendly as well—as soon as I would get my map out of my bag someone would come running up to me to give me directions.

Completely by chance I ended up living with two other girls from RMIT in one of the private student residences, Tartu. We also shared our kitchen and bathrooms with two Estonian girls and one German. Tartu College itself is not luxurious in any way, but the location was fantastic, and I felt very comfortable there. It did not take long until I felt at home, and the over-sensitive fire alarm became an ongoing joke among the Tartu residents.

The five courses I chose in university were a lot of fun, as they were a little bit different from what I normally study. I took two politics courses, two English literature courses, and one in sociology. My professors were motivating, and I ended up getting all A's at the end of the semester. Although as an exchange student we technically only need to pass.

When the time came for me to leave, I did not want to at all. I experienced so many things—living in yet another country, travelling around the US, experiencing another culture and finding my feet in an entirely new continent. If I could, I would have stayed in Toronto for at least another semester. The friends I made there I am certain will last for years, if not a lifetime.

LEARNING
BY DOING



HANDS-ON PRACTICE MAKES PERFECT

RMIT has a reputation for producing some of Australia's most employable graduates thanks to its philosophy of 'learning by doing'.

During your program, you will have the chance to:

- » take on real or simulated industry projects for real clients
- » be mentored by industry professionals
- » enter project competitions judged by leading experts
- » build your skills through field trips, clinical and studio practice
- » receive opportunities for work placements through the RIERP program.

RMIT degree and diploma qualifications have a strong professional focus.

The programs are designed to help you develop specialised skills in line with evolving needs and technologies.

You will be engaged with industry throughout your studies and graduate with the confidence that you are up-to-date with the demands of your field.

'RMIT provides great learning support to students as well as a wide range of networks, from industry connections to global cultural exchange.

'My program offered great learning facilities, such as the financial markets trading simulator, which gives you good practice for real life financial trading.'

MAGGIE NGUYEN, VIETNAM
BACHELOR OF BUSINESS (ECONOMICS AND FINANCE)

A CAREER PATH IN RESEARCH CAN LEAD YOU TO AMAZING PLACES

Jeff Man Chiu Fung began his journey at RMIT with an advanced diploma and is now completing his PhD studies.

'My enthusiasm and passion for engineering has driven me to keep studying. Exploring new knowledge in the unknown world is always an exciting experience, especially when you discover something new from research.'

'If I had not chosen RMIT, I would not have had the chance to work in Germany. The unique RIIERP program is the only program in Australia to provide undergraduate students a chance to work in European companies. The practical experience enhanced my understanding of theories I learned in school and guided the direction of my current research.'

'Meeting some good friends from different countries and having the chance to participate in CSIRO—a world class research organisation—was the most precious experience and highlight of my study life in Melbourne.'

**JEFF MAN CHIU FUNG, HONG KONG
ADVANCED DIPLOMA OF ENGINEERING TECHNOLOGY
BACHELOR OF ENGINEERING (AEROSPACE)
DOCTORATE IN MECHANICAL ENGINEERING**

DISCOVER A WORLD OF OPPORTUNITIES

Influence everyday lives

Exciting new discoveries constantly drive industry advancement and, in turn, impact and influence society. Every 'great new breakthrough' is the result of research. RMIT offers dynamic research opportunities that inspire students to achieve what they never thought possible.

Experience real research projects

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

WHAT CAN YOU ACHIEVE THROUGH RESEARCH?

 <p>Revolutionise the way diseases are diagnosed in developing countries</p>	<p>Dr Vipul Bansal from RMIT's School of Applied Sciences received a \$US100,000 grant from the Bill and Melinda Gates Foundation to help develop a sensor for detecting malaria.</p> <p>'If successful, a battery-powered, non-invasive finger scanner can be developed in the next stage of the project, and this invention can potentially revolutionise the way infectious diseases are currently diagnosed, particularly in the developing world.'</p>
 <p>Develop treatments for depression through the power of music</p>	<p>RMIT is researching the effectiveness of music in reducing symptoms of depression.</p> <p>Dr Mirella Di Benedetto, Lecturer in Psychology, said that traditional approaches to dealing with depression do not always show significant improvement.</p> <p>'Music therapy has been shown to reduce symptoms of mental illness even after just one session.'</p> <p>'Our research aims to assess how effective listening to music can be in easing the symptoms of depression, expanding our understanding of music's emotive impact.'</p>
 <p>Address the social issues emerging from natural disasters</p>	<p><i>Master of Applied Science</i> graduate Mae Proudley, lived on a fire-affected farm in Greenpatch, South Australia for two months in the spring of 2006 while she conducted interviews with people who experienced the devastating 2005 Wangary fire.</p> <p>Her publication <i>Fire, Families and Decisions</i> is an account of how the fire impacted the individuals, couples and families who lived through it and will assist in informing their emotional and physical recoveries.</p>
 <p>Transform the housing of people living in vulnerable communities</p>	<p>Dr Esther Charlesworth from the School of Architecture and Design will investigate the roles that architects can play in meeting the complex housing needs of vulnerable communities through a AU\$600,000 research project.</p> <p>'The project <i>Architecture on the Edge</i> will look at four case studies of housing in Australia, USA, Sri Lanka and Vietnam in communities affected by social marginalisation, civil conflict, natural disaster and climate change.'</p>

A GUARANTEED PATHWAY TO RMIT UNIVERSITY

Certificates and diplomas

RMIT pathways offer you the opportunity to receive study credit towards a diploma or bachelor degree. If you complete a relevant certificate or diploma program you can go straight into the second or third year of the related bachelor program. This means you do not have to start the bachelor degree from the beginning!

Pre University pathways

Victorian Certificate of Education (VCE)

Students who complete secondary school in the state of Victoria receive the Victorian Certificate of Education. 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.

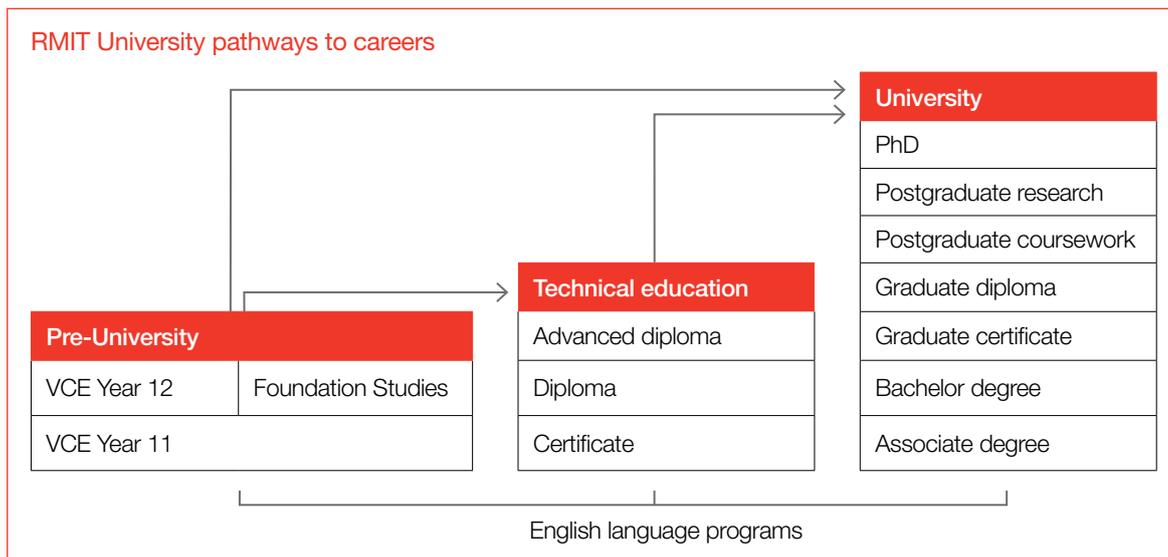
This provides you with the opportunity to learn among a majority of native English speakers and develop skills specific to your academic interest area.

At the completion of Unit 2, you may decide to proceed to Year 12 (Units 3 and 4 VCE) or to articulate into Foundation Studies (page 13).

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





Chemistry students performing a laboratory experiment.



Students interpreting the results of a physics experiment.



Students showing their 3D models to Space Design teacher (extreme right), who looks quite impressed.

Foundation Studies

RMIT International College offers accredited Foundation Studies programs that develop the skills you need to successfully advance into university programs at degree or diploma level.

You can choose from five streams depending on the field you wish to enter:

- » art, design and architecture
- » business
- » media and communication
- » property and construction management
- » science, engineering and technology.

When would I undertake a Foundation Studies program?

- » You have completed a Year 11 equivalent and need some extra preparation before beginning university
- » You have completed Year 12, but it is not the equivalent of an Australian Year 12
- » You have not done as well as you had hoped and need extra credit before being accepted into RMIT University
- » Your preferred program specifies a prerequisite that you have not completed, such as a specific subject or portfolio.

Why RMIT International College?

RMIT International College has a history of excellence in pathways programs.

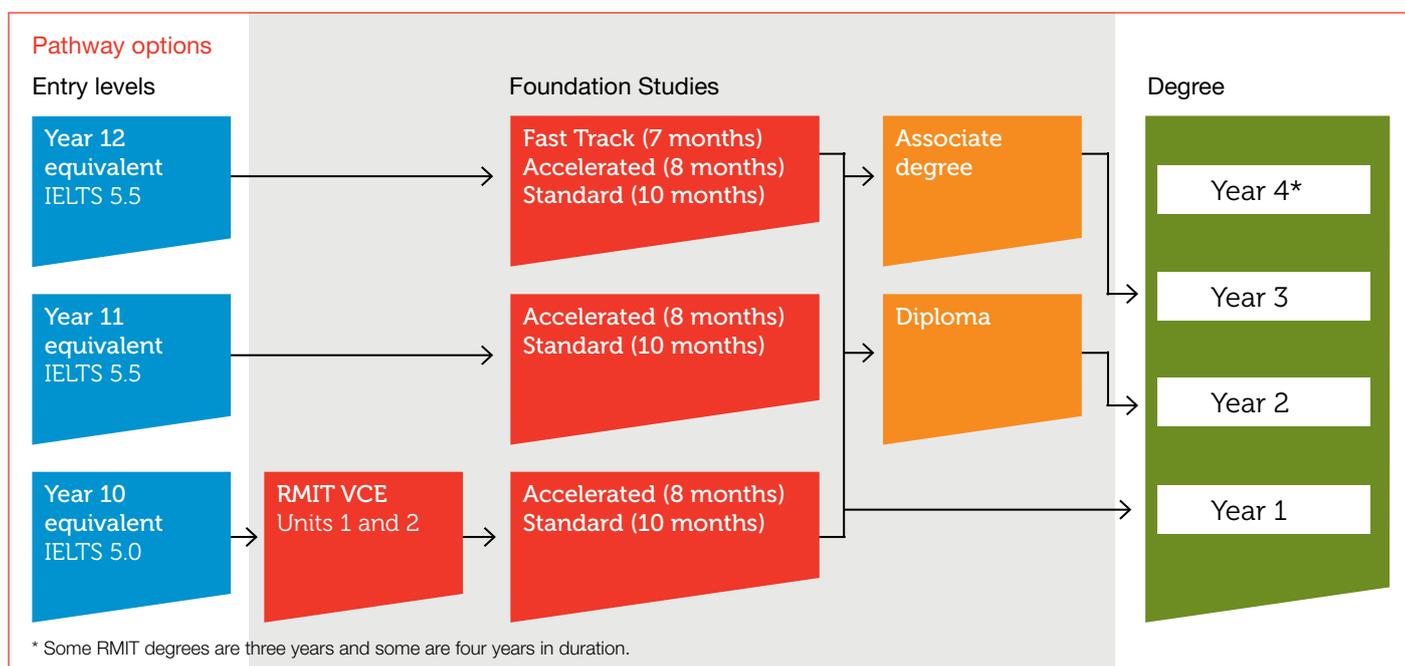
The teachers are highly experienced, supportive and understand your academic and personal needs.

As a Foundation Studies student, you are part of RMIT from day one, learning from University academics and studying at RMIT's most vibrant downtown campus.

Study at your own pace

Foundation Studies allow you to study at your own pace with a choice of standard, accelerated or fast track program options.

There are four intakes throughout the year for your convenience: February, June, July and September.





2012 academic calendar

	Degree (Higher Education)	Diploma (TAFE) and Associate degrees
Semester one		
Teaching period	27 February – 25 May	6 February – 1 June
Mid semester break	5 April – 11 April	5 April – 11 April
Exam period	4 June – 22 June	4 June – 15 June
Semester break	25 June – 13 July	18 June – 29 June
Semester two		
Teaching period	16 July – 12 October	2 July – 26 October
Mid semester break	27 August – 31 August	27 August – 31 August
Exam period	22 October – 9 November	29 October – 9 November

The above dates are indicative only and subject to change.

Academic workload (Credit points)

Credit points are used in RMIT degree programs to measure academic workload. A full time program load will usually consist of 48 credit points in a semester or 96 credit points for a year. Courses (subjects) at RMIT will consist of either 12, 24, 36 or 48 credit points.

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.

LIVING IN
MELBOURNE





WELCOME TO ONE OF THE MOST LIVEABLE CITIES ON EARTH

Characterised by its maze of hidden laneways and arcades, which conceal some of the city's most eclectic cafés, bars and boutique art and fashion, Melbourne's urban charm will captivate you.

Multiculturalism

Melbourne resounds with the influences of more than 230 different nationalities which have given rise to the city's most popular dining and entertainment destinations. With Chinatown, Little Italy, the Greek quarter and the Spanish and Latin flavours of Johnson Street, you will be sure to find a little piece of home.

Arts and culture

Melbourne is also 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
- » Australian Formula One 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.

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 anyone's taste.

RMIT is a sponsor of the L'Oréal Fashion Festival and RMIT students are often selected to showcase their designs in front of Australia's fashion elite.

City of festivals

Melbourne's annual festival calendar brings the city's streets and venues alight. Some internationally-renowned events include:

- » Melbourne International Comedy Festival
- » Melbourne International Film Festival
- » Melbourne International Arts Festival
- » L'Oréal Fashion Festival
- » Melbourne Food and Wine Festival
- » Melbourne Writers Festival
- » Melbourne Jazz Festival.

And 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.

Weather

Although in general summers can be hot and dry, averaging on 28°C (82°F), and winters cool and wet at 14°C (57°F), Melburnians are long-accustomed to experiencing all four seasons in a day. Stay prepared by listening to the weather forecast and dressing in layers.

Student Welcome Desk

New international students arriving in February and July can visit the Student Welcome Desk at Melbourne Airport for information on safety, transport, accommodation, landmarks and events.

www.melbourne.vic.gov.au

RMIT CAMPUSES

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 bars, pubs and cafes to parks, markets and the State Library of Victoria.

RMIT's recent AU\$600 million refurbishments and new landmark buildings stand to reinforce its global reputation as a leader in design and architecture.

Brunswick campus



Located on the thriving outskirts of the city, 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.

Fittingly, the campus is home to many of RMIT's design-related programs including fashion, graphic arts, textile design and technology, merchandising and product development and printing.

Bundoora campus



Reminiscent of Australia's bushland, the leafy suburb of Bundoora houses many of RMIT's engineering, health and medical sciences programs. RMIT's state-of-the-art facilities are surrounded by greenery and large open spaces that provide students with a relaxing environment.

The campus features a purpose-built health and medical science laboratory and new sporting facilities, including FIFA approved soccer pitch, football oval, athletics track and tennis and netball courts.



RMIT Vietnam

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

www.rmit.edu.vn

www.rmit.edu.au/about/campuses

MONEY MATTERS

Cost of living

Many of you will be living away from home for the first time and will need to learn how to manage a budget. Living costs may vary according to your circumstances, the type of accommodation you choose, the location, number of tenants and your lifestyle.

Establishment costs

Establishment costs are the monies you will have to pay to set up a house such as buying furniture, household items, connecting a phone line and other utilities and paying a rental bond. These costs can amount to AU\$1 700 to AU\$3 500.

Living costs

Living costs	Single student living in shared accommodation per week	Hint
Rent*	AU\$150–AU\$250 City/Brunswick AU\$110–AU\$150 Bundoora	The campus you attend and the type of accommodation you are living in will affect the price.
Electricity, gas and water	AU\$30–AU\$45	Different utility providers charge different rates.
Phone (fixed line)	AU\$10–AU\$15 (fixed only)	Mobile phone bills will vary depending on the plan you have.
Internet	AU\$0 if pre-paid arrangement	The internet may be included in your accommodation costs depending on your accommodation type or it may be part of your mobile phone plan.
Food	AU\$80–AU\$100	Discount supermarkets and local markets can reduce your food bill.
Transport costs	Public transport: AU\$30–AU\$50 Car: AU\$100+	Based on a full fare weekly ticket. The car costs include registration, insurance, fuel, parking and maintenance.
Recreation/entertainment	AU\$50–AU\$100	These expenses are highly variable and depend on the choice and frequency of entertainment or hobby.
The typical cost of living can range from AU\$18 000 to AU\$26 000 per annum.		

* Accommodation costs based on advertised share housing available in January 2010. All amounts mentioned are 2011/2012 estimates only.

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. The annual tuition price increase is capped at 7.5% (subject to rounding).

Program tuition fees are invoiced on a semester basis according to the number of subjects (courses) that the student is enrolled into for that semester. Program tuition fees do not include OSHC, 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.

Scholarships

International scholarship programs are available to assist students who are disadvantaged by their economic, social or geographic circumstances but have the academic ability and will to succeed. Please visit the website to check your eligibility.

www.rmit.edu.au/scholarships/international

Refund policy

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

Health insurance

Overseas Student Health Cover (OSHC)

The Australian Government requires all international students studying 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 our preferred provider, Medibank Private. Students with Norwegian National Insurance Scheme cover or Swedish National Board of Student Aid (CSN) are covered for medical expenses in Australia and do not need OSHC.

www.rmit.edu.au/programs/international/health

Accommodation

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

www.rmitvillage.com.au

RMIT provides support to all new international students seeking accommodation assistance. A new housing database has been developed exclusively for RMIT students which enables them to search for priority listings.

www.rmit.edu.au/housing

Employment

International students studying in Australia on a student visa are able to work in Australia for up to 20 hours per week during study semesters and full-time during semester breaks.

STUDENT LIFE



Enjoying campus life.



Cheering for the Redbacks.



The student hub, City campus.

MAKING LIFE HAPPEN

**THERE IS SO
MUCH MORE TO
UNIVERSITY LIFE
THAN JUST STUDY**

Transitioning to life in a new country can at times be a daunting, as well as an exciting, experience. To make the move as smooth as possible, RMIT offers a range of support services to all international students.

Mates at RMIT program

In Australia the term 'mate' means a good friend. Australians often use this as a way of greeting people (G'day mate!) in the same way that you say hello.

If you are new to Australia the Mates at RMIT program can help you to:

- » meet students across RMIT Colleges, Schools and campuses
- » settle in to university life
- » discover Melbourne through the eyes of a local.

What do I get out of the program?

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

- » assist you with your studies and understanding RMIT
- » 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.

RMIT LEAD

Join RMIT LEAD—a student engagement and leadership program that develops student leadership and volunteering within the University. You will have lots of fun, meet new people, develop industry-relevant leadership skills and receive official recognition for your contributions.

Get involved in sports, trips and tours

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 or stay at the RMIT Mount Buller Ski Lodge.

Join the Redbacks

Taking in all sports teams under the one banner, the Redbacks represent RMIT at the University Games and Australian University Championships. If you think you have what it takes to be a part of this elite group—make sure you try out!

RMIT Student Union—connecting like-minded individuals

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



New sports facility, Bundoora campus.



MATES at RMIT.



Relaxing after class.

STUDENT SERVICES

Student support

- » Arrival services
- » Accommodation advice
- » International Student Information and Support
- » Disability Liaison Unit
- » Childcare

Student media

- » RMIT University News (Openline)
- » Student News Bulletin (The Fly)
- » Student newspaper (Catalyst)
- » Student television (RMITV)
- » FM student radio (SYN)

Health and wellbeing

- » Fitness centre
- » Chaplaincy
- » Counselling

Spiritual

- » Spiritual Centre
- » Prayer rooms across RMIT

Study resources

- » English language support
- » Study Skills workshops
- » RMIT University Library
- » Study and Learning Centre
- » IT facilities

100+ clubs and societies to choose from!

www.rmit.edu.au/students/services

The Victorian Government also provides a number of services including:

The Couch—International Student Centre

Located at 69 Bourke Street, The Couch is a place where Melbourne's international students can relax, socialise and access a range of support services.

Culture Card Victoria

Culture Card Victoria is free for international students enrolled at vocational colleges, universities and higher education institutions in Victoria. Get special offers on arts, sport and more.

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-taxi ranks and increased police presence after dark. However, as with every new environment, students need to remain alert and aware of their new surroundings.

www.thinkbefore.com

VISA INFORMATION

Visa arrangements may take from a few weeks to six months to finalise, depending on the assessment level of your country and other requirements set out by the Australian Department of Immigration and Citizenship (DIAC). You will need to check with DIAC for the most up-to-date information at the time of your application.

Once you have accepted your RMIT offer, RMIT will issue you with an electronic Confirmation of Enrolment (eCOE) that you will need to present as part of your student visa application.

For complete information about student visa application requirements and procedures, or to find your nearest Australian diplomatic post (Embassy, High Commission, Consulate or Consulate-General) refer to one of the following:

- » Department of Immigration and Citizenship
www.immi.gov.au/students
- » Australian overseas diplomatic post or embassy
www.immi.gov.au/students
- » Study in Australia
www.studyinaustralia.gov.au

Students intending to travel to Australia or who are already in Australia on a different visa type need to contact DIAC regarding their eligibility to study.

Students under 18

Students under the age of 18 at the time of applying for their visa must have accommodation and welfare arrangements in place that have been approved by DIAC directly, or by RMIT.
www.rmit.edu.au/programs/guardianship

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/programs/international/faqvisa

Australian Government regulations on student visas

Students studying on a student visa are subject to Australian Government regulations. Generally, 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 course requirements such as academic progress and attendance
- » keep RMIT notified of their address, and any change of address within seven days
- » maintain 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 restrictions
- » complete at least six months of study in their principal program (i.e. highest program in a package) unless permission to release is granted by principal provider.

www.immi.gov.au/students

A description of the Australian Government's legal framework to ensure quality education and consumer protection for international students is available at:

www.aei.gov.au/AEI/ESOS

Students with families

Students wishing to bring their spouse or children to Australia will need to prove that they can support them financially (including the payment of annual school fees). Full-time education is compulsory for all children in Victoria from the age of five to 15 years. For further information, please refer to your nearest Australian diplomatic post, or the Department of Immigration and Citizenship (DIAC).

2012 PROGRAMS, INTAKES AND FEES

Program code	Program plan	Program name	Duration	Intake	Weekly fee AUS	Notes
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ELICOS

EL000	EAP	<i>Intensive English (Elementary to Advanced)</i>	4–55 weeks	—	405	74
EL000	EIE	<i>IELTS Preparation Course</i>	5 weeks	—	405	74

Program code	Program plan	Program name	Duration	Intake	Total fee AUS	Notes
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Victorian Certificate of Education (VCE)

C2084	C2084A	<i>Victorian Certificate of Education (Year 11)</i>	1 year	Feb Jul	15 500	5
C2085	C2085A	<i>Victorian Certificate of Education (Year 12)</i>	1 year	Feb Jul	15 500	68

Foundation Studies

Architecture and building

FS002	FS002P7	<i>Foundation Studies (Art, Design and Architecture)</i>	10 months	Feb	19 750	—
FS002	FS002P9C	<i>Foundation Studies (Art, Design and Architecture)</i>	8 months	Jun	19 750	—
FS002	FS002P7B	<i>Foundation Studies (Art, Design and Architecture)</i>	7 months	Jul	16 500	—

Business

FS003	FS003P9	<i>Foundation Studies (Business)</i>	10 months	Feb Sep	19 750	—
FS003	FS003P9C	<i>Foundation Studies (Business)</i>	8 months	Jun	19 750	—
FS003	FS003P9E	<i>Foundation Studies (Business)</i>	13 months	Nov	28 250	—

Property and construction management

FS015	FS015P9C	<i>Foundation Studies (Property and Construction Management)</i>	8 months	Jun	19 750	—
FS015	FS015	<i>Foundation Studies (Property and Construction Management)</i>	10 months	Feb	19 750	—

Science, engineering and technology

FS000	FS000P6	<i>Foundation Studies (Science, Engineering and Technology)</i>	10 months	Feb Sep	19 750	—
FS000	FS000P9C	<i>Foundation Studies (Science, Engineering and Technology)</i>	8 months	Jun	19 750	—
FS000	FS000P7E	<i>Foundation Studies (Science, Engineering and Technology)</i>	13 months	Nov	28 250	—
FS000	FS000P6B	<i>Foundation Studies (Science, Engineering and Technology)</i>	7 months	Jul	16 500	—

Media and communications

FS005	FS005P04	<i>Foundation Studies (Media and Communication)</i>	10 months	Feb	19 750	—
FS005	FS005P9C	<i>Foundation Studies (Media and Communication)</i>	8 months	Jun	19 750	—

Study Abroad program

SAUGD	STUDABUGRD	<i>International Study Program</i>	1 year	Feb Jul	19 680	57
SAUGD	STUDABUGRD	<i>International Study Program</i>	0.5 year	Feb Jul	9 840	25, 57

ARCHITECTURE AND BUILDING

Program code	Program plan	Program name	Intake	Annual fee AUS	Notes	Page
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Bachelor degree

BP105	BP105P05	<i>Bachelor of Applied Science (Construction Management)</i>	Feb Jul	22 080	—	33
BP208	BP208	<i>Bachelor of Applied Science (Project Management)</i>	Feb Jul	20 640	—	37
BP209	BP209	<i>Bachelor of Applied Science (Property)</i>	Feb Jul	20 640	—	37
BP210	BP210	<i>Bachelor of Applied Science (Valuation)</i>	Feb Jul	20 640	—	38
BP250	BP250	<i>Bachelor of Architectural Design</i>	Feb Jul	26 400	5, 20	31
BP256	BP256	<i>Bachelor of Design</i>	Feb Jul	24 480	5, 20	35
BP196	BP196	<i>Bachelor of Design (Interior Design)</i>	Feb Jul	24 480	5, 20	33
BP239	BP239DLADD, BP239ASPDD	<i>Bachelor of Design (Landscape Architecture)/Bachelor of Applied Science (Planning)</i>	Feb Jul	22 080	5, 20	36

Program code	Program plan	Program name	Intake	Total fee AUS	Notes	Page
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Advanced diploma

C6097	C6097	<i>Advanced Diploma of Building Design (Architectural)</i>	Feb	39 125	—	32
C6097	C6097ACC	<i>Advanced Diploma of Building Design (Architectural)</i>	Jul	39 125	12	32

Diploma

C5256	C5256	<i>Diploma of Building and Construction</i>	Feb Jul	29 750	—	31
C5249	C5249	<i>Diploma of Interior Design and Decoration</i>	Feb	31 000	66	34
C5249	C5249ACC	<i>Diploma of Interior Design and Decoration</i>	Jul	31 000	12, 66	34

2012 PROGRAMS, INTAKES AND FEES

ART AND DESIGN

Program code	Program plan	Program name	Intake	Annual fee AUS	Notes	Page
Bachelor degree						
BP212	BP212	<i>Bachelor of Applied Science (Fashion and Textile Merchandising)</i>	Feb Jul	22 080	—	44
BP211	BP211	<i>Bachelor of Applied Science (Fashion Technology)</i>	Feb Jul	22 080	—	46
BP123	BP123P5	<i>Bachelor of Applied Science (Textile Technology)</i>	Feb Jul	21 600	20	54
BP203	BP203P6	<i>Bachelor of Arts (Animation and Interactive Media)</i>	Feb	24 480	—	41
BP201	BP201	<i>Bachelor of Arts (Fine Art)</i>	Feb Jul	21 600	5, 20	46
BP214	BP214	<i>Bachelor of Arts (Games Graphic Design)</i>	Feb	24 480	—	48
BP117	BP117	<i>Bachelor of Arts (Photography)</i>	Feb Jul	23 040	5, 20	50
BP121	BP121	<i>Bachelor of Arts (Textile Design)</i>	Feb Jul	22 080	20	52
BP115	BP115P04	<i>Bachelor of Design (Communication Design)</i>	Feb Jul	24 480	5, 20	41
BP194	BP194	<i>Bachelor of Design (Fashion)</i>	Feb Jul	24 480	5, 20	43
BP195	BP195	<i>Bachelor of Design (Industrial Design)</i>	Feb Jul	24 480	5, 20	49
BP196	BP196	<i>Bachelor of Design (Interior Design)</i>	Feb Jul	24 480	5, 20	33
BP153	BP153P5	<i>Bachelor of Design (Multimedia Systems)</i>	Feb	25 920	—	87

Associate degree

AD007	AD007	<i>Associate Degree in Design (Furniture)</i>	Feb	20 640	—	47
AD013	AD013	<i>Associate Degree in Fashion and Textile Merchandising</i>	Feb Jul	20 640	20	44

Program code	Program plan	Program name	Intake	Total fee AUS	Notes	Page
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Advanced diploma

C6087	C6087DIGIT	<i>Advanced Diploma of Screen and Media—Multimedia</i>	Feb	15 500	—	50
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Diploma

C5220	C5220	<i>Diploma of Applied Fashion Design and Technology</i>	Feb Jul	29 750	20	45
C5218	C5218	<i>Diploma of Interactive Digital Media</i>	Feb	15 500	20	50
C5249	C5249	<i>Diploma of Interior Design and Decoration</i>	Feb	31 000	66	34
C5249	C5249ACC	<i>Diploma of Interior Design and Decoration</i>	Jul	31 000	12, 66	34
C5252	C5252	<i>Diploma of Furniture Design and Technology</i>	Feb	31 000	20	48
C5230	C5230	<i>Diploma of Graphic Design</i>	Feb	31 000	20	42
C5228	C5228	<i>Diploma of Photoimaging</i>	Feb	15 500	20	51
C5284	C5284	<i>Diploma of Printing and Graphic Arts (Multimedia)</i>	Feb	15 000	20	51
C5233	C5233	<i>Diploma of Product Design</i>	Feb	31 000	20	52
C5213	C5213	<i>Diploma of Textile Design and Development</i>	Feb	29 750	20	53
C5234	C5234	<i>Diploma of Visual Art</i>	Feb	30 500	20	55
C5235	C5235	<i>Diploma of Visual Merchandising</i>	Feb	31 000	20	55

Certificate

C4158	C4158	<i>Certificate IV in Design</i>	Feb	15 250	20	42
C4158	C4158INT	<i>Certificate IV in Design</i>	Jul	15 250	12, 20	42
C4224	C4224	<i>Certificate IV in Photoimaging</i>	Feb	15 500	20	51
C4278	C4278	<i>Certificate IV in Printing and Graphic Arts (Multimedia)</i>	Feb Jul	15 000	20	51

BUSINESS

Program code	Program plan	Program name	Intake	Annual fee AUS	Notes	Page
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Bachelor degree

BP254	BP254	<i>Bachelor of Business (Accountancy)</i>	Feb Jul	21 120	—	59
BP138	BP138	<i>Bachelor of Business (Business Information Systems)</i>	Feb Jul	21 120	61	82
BP251	BP251	<i>Bachelor of Business (Economics and Finance)</i>	Feb Jul	21 120	—	63
BP134	BP134P9	<i>Bachelor of Business (Economics and Finance) (Applied)</i>	Feb Jul	21 120	61	62
BP030	BP030	<i>Bachelor of Business (Entrepreneurship)</i>	Feb	21 120	—	64
BP253	BP253	<i>Bachelor of Business (International Business)</i>	Feb Jul	21 120	—	65
BP027	BP027P9	<i>Bachelor of Business (International Business) (Applied)</i>	Feb Jul	21 120	61	64
BP255	BP255	<i>Bachelor of Business (Logistics and Supply Chain Management)</i>	Feb Jul	21 120	—	67
BP143	BP143P9	<i>Bachelor of Business (Logistics and Supply Chain Management) (Applied)</i>	Feb Jul	21 120	61	66
BP217	BP217	<i>Bachelor of Business (Management)</i>	Feb Jul	21 120	—	68
BP252	BP252	<i>Bachelor of Business (Marketing)</i>	Feb Jul	21 120	—	70
BP141	BP141P9	<i>Bachelor of Business (Marketing) (Applied)</i>	Feb Jul	21 120	61	69
BP129	BP129P9	<i>Bachelor of Business (Professional Accountancy)</i>	Feb Jul	21 120	61	59
BP245	BP245	<i>Bachelor of Science (Statistics)</i>	Feb Jul	24 000	—	159

Program code	Program plan	Program name	Intake	Annual fee AUS	Notes	Page
Associate degree						
AD010	AD010	Associate Degree in Business	Feb Jul	18 720	—	61
Program code	Program plan	Program name	Intake	Total fee AUS	Notes	Page
Advanced diploma						
C6072	C6072	Advanced Diploma of Accounting	Feb Jul	7 625	—	60
C6101	C6101	Advanced Diploma of International Business	May Oct	10 500	—	66
Diploma						
C5178	C5178	Diploma of Accounting	Oct May	11 438	—	60
DP003	DP003	Diploma of Commerce	Feb Jul	18 720	—	62
C5219	C5219	Diploma of International Business	Aug	10 000	—	66
Certificate						
C4169	C4169	Certificate IV in Financial Services (Accounting)	Feb Jul	11 438	—	60
C4222	C4222	Certificate IV in International Trade	Feb	10 000	—	66

COMMUNITY SERVICES AND SOCIAL SCIENCES

Program code	Program plan	Program name	Intake	Annual fee AUS	Notes	Page
Bachelor degree						
BP019	BP019P04D	Bachelor of Applied Science (Disability)	Feb Jul	20 160	—	73
BP023	BP023P05	Bachelor of Arts (Criminal Justice Administration)	Feb Jul	19 200	11, 20	73
BP048	BP048P6	Bachelor of Arts (International Studies)	Feb Jul	19 200	—	74
BP204	BP204P6	Bachelor of Social Science (Legal and Dispute Studies)	Feb Jul	19 200	11	76
BP112	BP112	Bachelor of Social Science (Psychology)	Feb	19 200	—	76
BP191	BP191P06	Bachelor of Social Science (Youth Work)	Feb Jul	19 200	11	79
BP026	BP026	Bachelor of Social Work	Feb	19 200	—	78
BP113	BP113SOSDD, BP113SWDD	Bachelor of Social Work/Bachelor of Social Science (Psychology)	Feb	19 200	—	77
Program code	Program plan	Program name	Intake	Total fee AUS	Notes	Page
Advanced diploma						
C6111	C6111	Advanced Diploma of Interpreting	Feb Jul	9 250	—	75
C6109	C6109	Advanced Diploma of Translating	Feb Jul	6 250	—	78
Diploma						
C5291	C5291	Diploma of Interpreting	Feb Jul	7 750	—	74

COMPUTING AND INFORMATION TECHNOLOGY

Program code	Program plan	Program name	Intake	Annual fee AUS	Notes	Page
Bachelor degree						
BP138	BP138	Bachelor of Business (Business Information Systems)	Feb Jul	21 120	61	82
BP094	BP094APP8	Bachelor of Computer Science (Application Programming)	Feb Jul	25 920	—	82
BP094	BP094COM8	Bachelor of Computer Science (Computational Mathematics)	Feb Jul	25 920	—	82
BP268	BP268	Bachelor of Computer Science (Database Systems)	Feb Jul	25 920	—	84
BP094	BP094EMB8	Bachelor of Computer Science (Embedded Systems)	Feb Jul	25 920	—	82
BP094	BP094GGD8	Bachelor of Computer Science (Games, Graphics and Digital Media)	Feb Jul	25 920	—	82
BP269	BP269	Bachelor of Computer Science (Network Computing)	Feb Jul	25 920	—	87
BP094	BP094SEC8	Bachelor of Computer Science (Security)	Feb Jul	25 920	—	82
BP094	BP094WEB8	Bachelor of Computer Science (Web Systems)	Feb Jul	25 920	—	82
BP153	BP153P5	Bachelor of Design (Multimedia Systems)	Feb	25 920	—	87
BP002	BP002CSDD, BP002ECNDD	Bachelor of Engineering (Computer and Network Engineering)/ Bachelor of Computer Science	Feb	31 680	—	105
BP004	BP004CSDD, BP004ECEDD	Bachelor of Engineering (Electronic and Communication Engineering)/ Bachelor of Computer Science	Feb	31 680	—	113
BP162	BP162APP8	Bachelor of Information Technology (Application Programming)	Feb Jul	25 920	—	85
BP162	BP162BA8	Bachelor of Information Technology (Business Applications)	Feb Jul	25 920	—	85
BP215	BP215P8	Bachelor of Information Technology (Games and Graphics Programming)	Feb	25 920	—	84
BP162	BP162MUL8	Bachelor of Information Technology (Multimedia Design)	Feb Jul	25 920	—	85
BP162	BP162NET8	Bachelor of Information Technology (Network Programming)	Feb Jul	25 920	—	85
BP162	BP162SYS8	Bachelor of Information Technology (System Administration)	Feb Jul	25 920	—	85

2012 PROGRAMS, INTAKES AND FEES

Program code	Program plan	Program name	Intake	Annual fee AUS	Notes	Page
BP162	BP162WEB8	Bachelor of Information Technology (Web Systems)	Feb Jul	25920	—	85
BP096	BP096P8	Bachelor of Software Engineering	Feb Jul	25920	32	88
BP232	BP232P7	Bachelor of Technology (Computing Studies)	Feb Jul	25920	—	83

Associate degree

AD006	AD006P11	Associate Degree in Information Technology	Feb Jul	22080	—	86
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EDUCATION AND TRAINING

Program code	Program plan	Program name	Intake	Annual fee AUS	Notes	Page
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Bachelor degree

BP041	BP041P02	Bachelor of Applied Science (Physical Education)	Feb	24960	20, 73	93
BP046	BP046P9	Bachelor of Education	Feb	19200	73	92
BP258	BP258	Bachelor of Education	Feb	19200	73	92
BP249	BP249EDUDD, BP249ASDDD	Bachelor of Education/Bachelor of Applied Science (Disability)	Feb	20640	73	93
BP260	BP260	Bachelor of Education (Early Childhood Education)	Feb	19200	73	92

ENGINEERING

Program code	Program plan	Program name	Intake	Annual fee AUS	Notes	Page
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Bachelor degree

BP070	BP070P6	Bachelor of Applied Science (Aviation)	Feb Jul	28800	—	99
BP013	BP013P9	Bachelor of Engineering (Advanced Manufacturing and Mechatronics)	Feb Jul	28800	—	96
BP069	BP069	Bachelor of Engineering (Aerospace Engineering)	Feb Jul	28800	—	96
BP071	BP071ENGDD, BP071MANDD	Bachelor of Engineering (Aerospace Engineering)/Bachelor of Business (Management)	Feb Jul	31680	—	97
BP067	BP067	Bachelor of Engineering (Automotive Engineering)	Feb Jul	28800	—	99
BP049	BP049P5	Bachelor of Engineering (Chemical Engineering)	Feb Jul	28800	—	100
BP052	BP052ENGDD, BP052MANDD	Bachelor of Engineering (Chemical Engineering)/Bachelor of Business (Management)	Feb Jul	30960	—	101
BP159	BP159ENDDD6, BP159SCDD7	Bachelor of Engineering (Chemical Engineering)/Bachelor of Science (Biotechnology)	Feb Jul	28896	—	101
BP198	BP198	Bachelor of Engineering (Civil and Infrastructure)	Feb Jul	28800	—	102
BP202	BP202ENGDD, BP202MANDD	Bachelor of Engineering (Civil and Infrastructure)/Bachelor of Business (Management)	Feb Jul	30960	—	103
BP263	BP263	Bachelor of Engineering (Computer and Network Engineering)	Feb Jul	28800	—	105
BP075	BP075CNEDD, BP075MANDD	Bachelor of Engineering (Computer and Network Engineering)/Bachelor of Business (Management)	Feb	31680	—	106
BP002	BP002CSDD, BP002ECNDD	Bachelor of Engineering (Computer and Network Engineering)/Bachelor of Computer Science	Feb	31680	—	105
BP262	BP262	Bachelor of Engineering (Electrical and Electronic Engineering)	Feb Jul	28800	—	108
BP261	BP261	Bachelor of Engineering (Electrical Engineering)	Feb Jul	28800	—	109
BP065	BP065ENGDD, BP065MANDD	Bachelor of Engineering (Electrical Engineering)/Bachelor of Business (Management)	Feb	31680	—	110
BP246	BP246ENGDD, BP246COMDD	Bachelor of Engineering (Electrical Engineering)/Bachelor of Commerce	Feb	31680	—	110
BP264	BP264	Bachelor of Engineering (Electronic and Communication Engineering)	Feb Jul	28800	—	112
BP004	BP004CSDD, BP004ECEDD	Bachelor of Engineering (Electronic and Communication Engineering)/Bachelor of Computer Science	Feb	31680	—	113
BP056	BP056P5	Bachelor of Engineering (Environmental Engineering)	Feb Jul	28800	—	123
BP066	BP066	Bachelor of Engineering (Mechanical Engineering)	Feb Jul	28800	—	116
BP068	BP068ENGDD, BP068MANDD	Bachelor of Engineering (Mechanical Engineering)/Bachelor of Business (Management)	Feb Jul	31680	—	114
BP235	BP235ENGDD, BP235ENVDD	Bachelor of Environmental Science/Bachelor of Engineering (Environmental Engineering)	Feb	26880	—	125
BP225	BP225SCDD7, BP225ENGDD	Bachelor of Science (Applied Chemistry)/Bachelor of Engineering (Chemical Engineering)	Feb	28896	—	98
BP236	BP236SCDD7, BP236ENGDD	Bachelor of Science (Food Technology and Nutrition)/Bachelor of Engineering (Chemical Engineering)	Feb	28896	—	114
BP007	BP007SCDD7, BP007ECEDD	Bachelor of Science (Physics)/Bachelor of Engineering (Electronic and Communication Engineering)	Feb	31680	—	118

Program code	Program plan	Program name	Intake	Annual fee AUS	Notes	Page
Associate degree						
AD009	AD009	Associate Degree in Engineering Technology (Civil Engineering)	Feb Jul	23040	—	104
AD005	AD005	Associate Degree in Engineering Technology (Electrical/Electronics)	Feb Jul	23040	—	111
AD002	AD002P10	Associate Degree in Engineering Technology (Mechanical)	Feb Jul	23040	—	115
AD008	AD008	Associate Degree in Engineering Technology (Network Engineering)	Feb Jul	23040	—	117
Program code	Program plan	Program name	Intake	Total fee AUS	Notes	Page

Advanced diploma

C6084	C6084	Advanced Diploma of Computer Systems Engineering	Feb Jul	29750	—	107
C6085	C6085	Advanced Diploma of Electrical—Technology	Feb Jul	29750	—	108
C6083	C6083	Advanced Diploma of Electronics and Communications Engineering	Feb Jul	29750	—	114
C6093	C6093	Advanced Diploma of Engineering Design	Feb	29750	—	104

ENVIRONMENT AND PLANNING

Program code	Program plan	Program name	Intake	Annual fee AUS	Notes	Page
Bachelor degree						
BP188	BP188	Bachelor of Applied Science (Planning)	Feb	19200	20	127
BP089	BP089	Bachelor of Applied Science (Surveying)	Feb	25920	—	160
BP239	BP239DLADD, BP239ASPDD	Bachelor of Design (Landscape Architecture)/Bachelor of Applied Science (Planning)	Feb Jul	22080	5, 20	36
BP056	BP056P5	Bachelor of Engineering (Environmental Engineering)	Feb Jul	28800	—	123
BP192	BP192P6	Bachelor of Environmental Science	Feb Jul	26880	—	124
BP161	BP161ESDD6, BP161MANDD	Bachelor of Environmental Science/Bachelor of Business (Management)	Feb	28860	—	126
BP235	BP235ENGDD, BP235ENVDD	Bachelor of Environmental Science/Bachelor of Engineering (Environmental Engineering)	Feb	26880	—	125
BP193	BP193ENVDD, BP193SOCDD	Bachelor of Environmental Science/Bachelor of Social Science (Environment)	Feb	23040	—	125
BP087	BP087P11	Bachelor of Science (Geospatial Science)	Feb	25920	—	156
BP000	BP000	Bachelor of Social Science (Environment)	Feb	19200	11, 20	122
Program code	Program plan	Program name	Intake	Total fee AUS	Notes	Page

Diploma

C5161	C5161	Diploma of Conservation and Land Management	Feb	30750	—	122
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HEALTH AND MEDICAL SCIENCES

Program code	Program plan	Program name	Intake	Annual fee AUS	Notes	Page
Bachelor degree						
BP183	BP183	Bachelor of Applied Science (Chinese Medicine)/Bachelor of Applied Science (Human Biology)	Feb Jul	24960	5	132
BP238	BP238OSTEO	Bachelor of Applied Science (Complementary Medicine)—Osteopathic Stream	Feb	25920	—	137
BP019	BP019P04D	Bachelor of Applied Science (Disability)	Feb Jul	20160	—	73
BP270	BP270	Bachelor of Applied Science (Exercise and Sport Science)	Feb	24960	—	133
BP147	BP147P04LM	Bachelor of Applied Science (Laboratory Medicine)	Feb Jul	28800	5	134
BP148	BP148P09MI	Bachelor of Applied Science (Medical Radiations)—Medical Imaging	Feb	28800	20	135
BP148	BP148P03NM	Bachelor of Applied Science (Medical Radiations)—Nuclear Medicine	Feb	28800	20	135
BP148	BP148P03RT	Bachelor of Applied Science (Medical Radiations)—Radiation Therapy	Feb	28800	20	135
BP041	BP041P02	Bachelor of Applied Science (Physical Education)	Feb	24960	20, 73	93
BP154	BP154	Bachelor of Applied Science (Psychology)	Feb Jul	25920	—	140
BP231	BP231P10	Bachelor of Biomedical Science	Feb Jul	28800	5	131
BP184	BP184P11	Bachelor of Biomedical Science (Pharmaceutical Sciences)	Feb	28800	—	139
BP267	BP267	Bachelor of Health Science (Acupuncture and Chinese Manual Therapy)	Feb Jul	24960	—	131
BP187	BP187P9	Bachelor of Health Science (Chiropractic)	Feb	25920	—	133
BP032	BP032P04	Bachelor of Nursing	Feb	25920	77	136
Program code	Program plan	Program name	Intake	Total fee AUS	Notes	Page

Diploma

C5283	C5283	Diploma of Laboratory Technology (Pathology Testing)	Feb	30750	—	138
C5246	C5246	Diploma of Nursing (Enrolled/Division 2 Nursing)	Feb	30750	—	137

2012 PROGRAMS, INTAKES AND FEES

MEDIA AND COMMUNICATIONS

Program code	Program plan	Program name	Intake	Annual fee AU\$	Notes	Page
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Bachelor degree

BP257	BP257	<i>Bachelor of Arts (Creative Writing)</i>	Feb	24 480	—	145
BP047	BP047	<i>Bachelor of Arts (Music Industry)</i>	Feb	19 200	—	147
BP219	BP219P9	<i>Bachelor of Communication (Advertising)</i>	Feb Jul	21 600	5	144
BP220	BP220	<i>Bachelor of Communication (Journalism)</i>	Feb	21 600	—	145
BP221	BP221	<i>Bachelor of Communication (Media)</i>	Feb Jul	21 600	5	146
BP221	BP221ACC	<i>Bachelor of Communication (Media)</i>	Jul	21 600	70	146
BP222	BP222	<i>Bachelor of Communication (Professional Communication)</i>	Feb	21 600	5	147
BP222	BP222ACC	<i>Bachelor of Communication (Professional Communication)</i>	Jul	21 600	36	147
BP223	BP223	<i>Bachelor of Communication (Public Relations)</i>	Feb	21 600	11	147

Program code	Program plan	Program name	Intake	Total fee AU\$	Notes	Page
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Diploma

C5231	C5231	<i>Diploma of Audiovisual Technology</i>	Feb	14 750	20	144
C5216	C5216	<i>Diploma of Screen and Media</i>	Feb	15 500	—	148

Advanced diploma

C6087	C6087	<i>Advanced Diploma of Screen and Media—Screen</i>	Feb	15 500	—	148
C6087	C6087DIGIT	<i>Advanced Diploma of Screen and Media—Multimedia</i>	Feb	15 500	—	148
C6088	C6088	<i>Advanced Diploma of Screenwriting</i>	Feb	31 250	20	149
C6104	C6104	<i>Advanced Diploma of Sound Production</i>	Feb Jul	15 500	—	149

Certificate

C4230	C4230	<i>Certificate IV in Audiovisual Technology</i>	Feb	14 750	20	144
C4276	C4276	<i>Certificate IV in Sound Production</i>	Feb Jul	15 500	—	149

SCIENCE

Program code	Program plan	Program name	Intake	Annual fee AU\$	Notes	Page
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Bachelor degree

BP089	BP089	<i>Bachelor of Applied Science (Surveying)</i>	Feb	25 920	20	160
BP159	BP159ENDD6, BP159SCDD7	<i>Bachelor of Engineering (Chemical Engineering)/Bachelor of Science (Biotechnology)</i>	Feb Jul	28 896	—	101
BP225	BP225SCDD7, BP225ENGDD	<i>Bachelor of Science (Applied Chemistry)/Bachelor of Engineering (Chemical Engineering)</i>	Feb	28 896	20	98
BP160	BP160SCDD7, BP160MANDD	<i>Bachelor of Science (Applied Chemistry)/Bachelor of Business (Management)</i>	Feb	30 240	20	153
BP229	BP229P7	<i>Bachelor of Science (Applied Sciences)</i>	Feb Jul	26 880	—	158
BP226	BP226P7	<i>Bachelor of Science (Biotechnology)</i>	Feb Jul	26 880	—	154
BP199	BP199P7	<i>Bachelor of Science (Food Technology and Nutrition)</i>	Feb Jul	26 880	—	156
BP236	BP236SCDD7, BP236ENGDD	<i>Bachelor of Science (Food Technology and Nutrition)/Bachelor of Engineering (Chemical Engineering)</i>	Feb	28 896	—	114
BP087	BP087P11	<i>Bachelor of Science (Geospatial Science)</i>	Feb	25 920	20	156
BP083	BP083P10	<i>Bachelor of Science (Mathematics)</i>	Feb Jul	24 000	—	157
BP247	BP247NANDD, BP247ASCDD	<i>Bachelor of Science (Nanotechnology)/Bachelor of Science (Applied Sciences)</i>	Feb	26 880	—	158
BP007	BP007SCDD7, BP007ECEDD	<i>Bachelor of Science (Physics)/Bachelor of Engineering (Electronic and Communication Engineering)</i>	Feb	31 680	—	118
BP245	BP245	<i>Bachelor of Science (Statistics)</i>	Feb Jul	24 000	—	159

Associate degree

AD012	AD012	<i>Associate Degree in Applied Science</i>	Feb	22 080	—	153
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Program code	Program plan	Program name	Intake	Total fee AU\$	Notes	Page
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Diploma

C5184	C5184	<i>Diploma of Food Science and Technology</i>	Feb	30 750	—	155
C5282	C5282	<i>Diploma of Laboratory Technology (Biotechnology)</i>	Feb	30 750	—	154

Notes

- 5 July entry may be available only to students who are granted subject exemptions or advanced entry on the basis of previous study.
- 11 This program includes a professional practice work placement.
- 12 This program is accelerated. It requires additional hours of study and extended semester dates over the standard program.
- 20 This program incurs additional costs.
- 25 Please note that the fee advertised is for the actual program duration advertised.
- 32 This program includes one year cooperative education in third year. Fees for this year are calculated at 25% of the program's annual fee.
- 36 This is an accelerated program. Students are required to complete one summer semester (comprising 48 credit points) during their degree.
- 47 This program is accelerated. It is taught in three semesters (13 weeks each) over 12 months.
- 57 The fee shown is a standard fee regardless of whether enrolment is 36 or 48 credit points for the semester.
- 61 This program includes a Work Integrated Learning (WIL) component in the third year of the program which can be fulfilled through three options:
 - » Option A: One year work placement (paid employment of at least 34 weeks duration). This is commonly referred to as the co-op year. The fees for this option are set at 25% of the yearly tuition fee.
 - » Option B: Professional Skills Program (PSP) followed by a paid or voluntary work placement (a minimum of 12 weeks duration). The fees for this option are set at 37.5% of the yearly tuition fee.
 - » Option C: Professional Skills Program (PSP) followed by successful completion of four courses chosen from a list of approved WIL courses. The fees for this option are set at 75% of the yearly tuition fee.
- 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.
- 68 July intake is available for international students who are currently onshore enrolled in a secondary school or private RTO 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 consist of six semesters over 2.5 calendar years by undertaking four first year courses in intensive mode over spring (Nov/Dec) and (Jan/Feb) summer semesters.
- 71 This program is only offered as an advanced standing entry for international students from GD071 *Graduate Diploma in Graphics Design*.
- 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 AU\$230.
- 76 A compulsory work experience component is the equivalent of three weeks of full-time work. This can be taken at midyear or at the end of the year. Students with appropriate experience may seek an exemption from this placement.
- 77 The clinical component of this program starts earlier than other RMIT programs. Students must enrol and attend classes by the date stated in the offer letter.
- 78 This program for students who have completed relevant studies in ICT.

Important fees information

The following program and fees information applies to students commencing programs between 1 January 2012 and 31 December 2012.

- » All fees are quoted in Australian dollars (AU\$) and apply to RMIT University's Australian campuses only.
- » Fees are based upon standard load and normal progression. Pro rata fees apply to non-standard loads undertaken.
- » Fees are invoiced on a semester basis and on enrolled load, therefore fees charged may be more or less than fee shown.
- » Fees are held constant for the 2012 calendar year only 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 AU\$10.00 per credit point increment, and so the actual fee increase may exceed 7.5%. Similarly, for VET/TAFE students the program annual fees are rounded to the nearest AU\$250, and so the actual fee increase may exceed 7.5%.
- » Fee increases are applied at the beginning of each calendar year, therefore commencing midyear students will find that the total cost of their program will be slightly higher than if they had commenced in February.



DESIGN YOUR OWN FUTURE

RMIT's esteemed industry-designed architecture and building programs are led by high-profile alumni recognised as innovators and agents of change.

You will learn how to develop and deliver solutions to compelling, contemporary issues through break-through design and be equipped with the skills and confidence to be a leader in your field.

Study areas include:

- » architecture
- » construction management and building
- » interior design
- » landscape architecture/urban design
- » project management
- » property and valuation.

RMIT students and graduates have been consistently recognised for their exceptional work in various prestigious competitions.

Will you be one of them?

'My future aspiration is to be a successful project manager and manage big projects. I think by the end of this program I will be qualified to handle some projects because of the useful materials and other activities, such as site visits. This itself is very useful.'

**KHALID AL JUHAIMAN, SAUDI ARABIA
BACHELOR OF APPLIED SCIENCE (PROJECT MANAGEMENT)**

ARCHITECTURE

BP250 *Bachelor of Architectural Design*
CRICOS code: 060830J

Duration: 3 years

www.rmit.edu.au/programs/bp250

CITY CAMPUS

RMIT Architecture has an international reputation for design excellence. RMIT leads the way both in Australia and overseas by producing graduates that are design innovators.

The *Bachelor of Architectural Design* is the first step on the pathway to becoming a design architect. You will focus on learning the core skills of an architect and architectural designer and intensely develop a broad grounding in design and communication skills.

RMIT students continue to achieve at the highest levels and are acknowledged by the architectural profession both nationally and internationally. For example, RMIT Architecture students recently won the Cumulus Green Award in Shanghai and the Architecture Australia (AA) Unbuilt Architecture Award.

Working with industry

RMIT Architecture is well known for its strong and long standing links with industry. You will have the option of selecting from numerous design studios each semester that are run by leading practitioners. In the design studio context, you will also have the opportunity to work on real world projects with a host of community and industry partners, both locally and with several studios internationally. In addition there are often many guest lectures by leading Australian and international architects.

What you will study

Design studio typically makes up half the program each semester and is taught in small groups. You will focus on a particular project and theme each semester. After the first semester, you will be able to select which design studio you wish to follow from approximately 20 on offer.

Supporting courses such as technology, communication and history comprise the remainder of your program and give you an understanding of the social and physical contexts of the built environment, as well as teaching you drawing skills.

You will complete a design studio each semester during the course of your studies.

In your first semester, you will complete a structured, foundational design and communications course. Subsequent semesters include four lower pool design studios. In the final semester of study, you will complete an upper pool design studio working with *Master of Architecture* students.

Lower and upper pool studios are vertically integrated, i.e. grouped with students from various year levels.

D Career outlook

Graduates will be employed by architecture, design and building practices in the private and public domain. In small to medium-sized practices, graduates will be engaged in a broad range of practice activities, from design to project management. Large architectural firms often encompass a number of disciplines and have offices or projects occurring overseas.

Professional recognition

Graduates may be employed in an architectural practice or a related design field with the *Bachelor of Architectural Design*, but need to complete the *Master of Architecture* in order to be professionally recognised as an architect. In Australia, completion of the *Master of Architecture* degree will allow you—following two years professional experience—to sit the Architects Registration Board examination and register as an architect.

Global connections

Architecture has a huge range of international exchange agreements with universities including USA, Europe and Asia. You will also have the opportunity to choose design studios that travel overseas to work with students from international universities. For example, in 2010, a group of students exhibited their work at the 12th Venice International Architecture Biennale following a four-week intensive design studio with the iconic Italian design company Alessi. Another group of students completed a design studio in China working with students from local universities as well as students from Japan and France.

Pathway

RMIT graduates of the following program may be eligible to apply for exemptions of up to 144 credit points (three semesters):

- » *Advanced Diploma of Building Design (Architectural)*

A grade point average (GPA) of 4 (80–100—HD) or greater achieved in final year will guarantee a place in the *Bachelor of Architectural Design*, while those students with a GPA of less than 4 will be granted an interview by RMIT's School of Architecture and Design.

The *Bachelor of Architectural Design* provides a pathway into the new *Master of Architecture*, and is also portable into professional programs in architecture with a similar structure agreement.

A grade point average (GPA) of 2.5 or greater will guarantee a place in the *Master of Architecture*, while those students with a GPA of less than 2.5 may apply for a place in the *Master of Architecture*.

You may also be interested in...

- » Building and construction (page 31)
- » Building design (architectural) (page 32)
- » Industrial design (page 49)
- » Interior design (page 33)
- » Interior design and decoration (page 34)
- » Landscape architecture (design) (page 35)

BUILDING AND CONSTRUCTION T

C5256 *Diploma of Building and Construction (Building)*
CRICOS code: 073061E

Duration: 2 years

www.rmit.edu.au/programs/c5256

CITY CAMPUS

Building and construction is the study of principles, techniques and regulations involved in the building and construction industry for all types of medium-rise and wide-span buildings.

This includes buildings up to 25 metres in height.

The diploma is practical and includes a component of hands-on work. Project-based learning allows you to experience many aspects of building projects and how they relate to each other.

Working with industry

The emphasis of learning is based around a series of projects, either actual or simulated. A number of subjects include site visitation, actual field exercises and workshops.

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. Students may also visit building manufacturers involved with glazing, concrete, plaster, timber, glass etc.

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 (approx 70% of second year students have gained employment).

Professional recognition

When completed, students 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.

Pathway

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



C6097 *Advanced Diploma of Building Design (Architectural)*
CRICOS code: 070398D

Duration: 2.5 years (Feb intake)
CRICOS code: 071275G

Duration: 2 years (July/midyear intake)
First year of this program is run in an accelerated mode between July to January.

www.rmit.edu.au/programs/c6097

CITY CAMPUS

In the building design program you will focused on the design, presentation and documentation processes for building projects that are responsive to the site, user needs and the environment.

The program is hands-on in nature and develops your skill sets through a variety of learning experiences that directly relate to the practices of building design professionals.

Skills are developed enabling you to communicate and work effectively with regulators, authorities and the wide range of consultants associated with the design, construction and servicing of buildings.

As a building designer you can make a significant contribution toward the improvement and future of the built environment through design solutions that are inclusive of both traditional and emerging community needs.

Working with industry

The program is hands-on by nature with a focus on developing the knowledge and skills required to practice as a building designer. You will study in purpose-designed facilities to support the learning and skill development required.

You will undertake project-based learning in supervised studios. Site excursions complement and give context to classroom-based learning.

The program has strong industry connections and is supported by the Building Designers Association of Victoria (BDAV) through student membership, scholarships, design competitions and awards.

What you will study

You will develop knowledge and skills in the areas of building design, digital presentation and documentation for buildings using a range of software platforms. Your studies will also focus on construction processes, environmental sustainability, materials technology and building services, together with the associated planning and building regulations codes and standards.

A significant part of the program and method of delivery is studio-based and centred around projects designed to integrate across units of study within the program.

Throughout your study you will build a broad knowledge of residential, commercial and complex building types.

Career outlook

You will have a range of potential employment opportunities. Graduates are placed in architectural practices, building, and building design offices.

Professional recognition

The program is a state accredited and nationally-recognised qualification that enables graduate building designers to work for registered building practitioners, architects and other design professionals in related industries. Graduates seeking to register as a building practitioner and practise as a sole practitioner must satisfy the requirements set out in the Building Amendment Regulations 2009 to register in the category Building Design DP-AD (Architectural). Eligible graduates of an advanced diploma in building design from a course accredited under the Education and Training Reform Act 2006 must complete one year practical experience supervised by a registered architect, builder, or building designer to the satisfaction of the Building Practitioners Board. The Building Practitioners Board has indicated that the *Advanced Diploma of Building Design (Architectural)* is the new qualification for the purposes of registration to practise as a building designer in the state of Victoria.

Global connections

You are encouraged to participate in study tours and international competitions at various stages of the program.

Pathway

Eligible graduates may apply for exemptions of up to 144 credit points into:

- » *Bachelor of Architectural Design*

A grade point average (GPA) of 4 (80–100—HD) or greater achieved in final year will guarantee a place in the *Bachelor of Architectural Design*, while those students with a GPA of less than four will be granted an interview by RMIT’s School of Architecture and Design.

Eligible graduates may apply for exemptions of up to 96 credit points into the following degrees:

- » *Bachelor of Applied Science (Construction Management)*
- » *Bachelor of Design (Interior Design)*
- » *Bachelor of Applied Science (Project Management)*
- » *Bachelor of Applied Science (Property)*
- » *Bachelor of Applied Science (Valuation)*

You may also be interested in...

- » Building and construction (page 31)
- » Communication design (page 41)
- » Landscape architecture (design) (page 35)
- » Surveying (page 160)

CONSTRUCTION MANAGEMENT D

BP105 *Bachelor of Applied Science (Construction Management)*
CRICOS code: 052378B

Duration: 4 years

www.rmit.edu.au/programs/bp105

CITY CAMPUS

The *Bachelor of Applied Science (Construction Management)* provides you with a solid foundation for the construction management, project management and quantity surveying professions.

You will organise and manage a vast number of people and resources across the building process to ensure the 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.

The RMIT *Bachelor of Applied Science (Construction Management)* is also delivered in Singapore in partnership with the Singapore Institute of Management.

Working with industry

You are required to undertake 80 working days of practical experience. Work experience may be undertaken in Australia or overseas and does not have to be taken consecutively. A number of students have undertaken work experience in North America, the Pacific and Europe. You will be required to complete a work experience diary.

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 also 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 culminates with an exciting capstone project, which will allow you to apply your skills and knowledge to a realistic simulated construction project.

Career outlook

Graduates may undertake various roles such as:

Construction managers—responsible for site management or even running entire construction projects ranging from housing through to large multi-storey buildings.

Quantity surveyors—assist with cost planning, analysis, management and control of construction projects.

Project managers—move beyond the construction aspects of a project and manage the entire building process from inception, through various stages of design, to completion and handover.

Property developers—using developed skills in management and construction, pursue a career or start a business that incorporates all stages of property development.

Professional recognition

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

Global connections

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.

Pathway

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

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

Eligible graduates receive up to 144 credit points exemption from the four year degree.

You may also be interested in...

- » Building and construction (page 31)
- » Project management (page 37)
- » Property (page 37)
- » Surveying (page 160)

INTERIOR DESIGN D

BP196 *Bachelor of Design (Interior Design)*
CRICOS code: 048216K

Duration: 4 years

www.rmit.edu.au/programs/bp196

CITY CAMPUS

As an interior designer you will be part of an ideas-led profession, concerned with the relationships between people and the surrounding environment. You will understand that the design of interiors is not confined to the inside of buildings, but addresses spatial and temporal concerns ranging from the intimacy of a finely crafted object to the urban fabric of a city. You will use a range of skills to push the boundaries of what currently exists. These skills include 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.

The degree's educational agenda is to challenge the accepted assumptions about interior design and test new ideas through design project work. This involves the contribution of many local and international practitioners and academics, from a spectrum of disciplines, who will engage you in specific design projects, give seminars and tutorials, and engage in critical debate regarding the foundations and directions of interior design practice.

Working with industry

Each semester, practising professional designers are invited to present a studio or specialisation which engages 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. A strong community and industry relationship has been developed in the program which allows you to be exposed to 'real-life' projects.

What you will study

Year one

During the first year, you will undertake courses in design and communications, history and 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. Students 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 also 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 of this degree are eligible for membership of the Design Institute of Australia. This RMIT degree participates in a local and global conversation and network through membership of IDEA (Interior Design/Interior Architecture Educators Association), DIA (Design Institute of Australia) and IFI (International Federation of Interior Architects and Interior Designers).

Global connections

The program engages in an ongoing global dialogue through conferences, study abroad, student and staff exchange, travel studios and regular participation in/contribution to the International Federation of Interior Architects/Designers activities. Examples of recent connections include: Seoul Travel studio—*Project to Ride. Space negotiations with Seoul subway*—in 2009. This was in collaboration with KONKU University, Seoul; Berlin/Brighton (UK)/Melbourne Temporal Occupations specialisation (2009) connecting with Technical University Berlin and Brighton University, UK. Students may choose to study abroad in their third year.

Pathway

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

- » *Advanced Diploma of Building Design (Architectural)*
- » *Diploma of Interior Design and Decoration*

You may also be interested in...

- » Architectural design (page 31)
- » Communication design (page 41)
- » Industrial design (page 49)
- » Interior design and decoration (TAFE) (page 34)
- » Landscape architecture (design) (page 35)

INTERIOR DESIGN AND DECORATION



C5249 *Diploma of Interior Design and Decoration*
CRICOS code: 070397E

Duration: 2 years (Feb intake)

C5249ACC *Diploma of Interior Design and Decoration*
CRICOS code: 071274G

Duration: 1.5 years (July intake)

www.rmit.edu.au/programs/c5249

CITY CAMPUS

Are you inspired when you walk into a well-designed space? Would you like to develop your skills in both design and decoration of interiors? Understanding what makes a space work for a particular purpose being a home, office, hotel or nightclub is what a great interior designer and decorator does!

As a professional interior designer and decorator you are qualified to plan, design and decorate building interiors. You will consider aesthetics, environmental aspects, spatial function, safety and business operations.

You will love the vibrant pace, real-life projects and the industry connections this program offers.

Working with industry

In competency-based training, the focus is on learning by doing. Through a process of learning that encompasses 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 which 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. This culminates in design studio practice which 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 provides 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 with practising professionals with an industry mentoring program.

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, retail consultancy in furnishings, lighting or furniture. Graduates may also progress to colour consultants, either employed by large paint companies, or in self employment.

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.)

Pathway

The *Certificate IV in Design* has a guaranteed pathway for eligible graduates into the diploma program.

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 (page 31)
- » Communication design (page 41)
- » Furniture design (pages 47–48)
- » Product design (page 52)
- » Landscape architecture (design) (page 35)

LANDSCAPE ARCHITECTURE D

BP256 *Bachelor of Design*
CRICOS code: 066833B

Duration: 3 years

www.rmit.edu.au/programs/bp256

CITY CAMPUS

Landscape architecture is not just about plants and gardens. Landscape architecture is everything that is not a building, encompassing rural, urban, private and public spaces. It is about solving the issues of modern society in ways that respond and propose better ways of living in a rapidly changing, complex world.

RMIT's landscape architecture degree, *Bachelor of Design*, is a studio-based degree that offers theoretical and practical streams in landscape architecture. This multifaceted discipline blends art, science, nature and culture with practical knowledge and attracts sensitive and tenacious people who care about the environment.

You can influence the direction of your own education through choosing design studios based on your personal interests. Studio themes and content vary each semester and range from projects focusing on the sustainability debate to the influence of popular culture and pop art on landscape and design.

Capitalising on RMIT's location in the heart of the city of Melbourne, the program attracts a wealth of practising professionals of distinction who engage and lead debates within the industry. The city will provide you with an urban laboratory unparalleled in its stimulation and opportunities for research. This program also leads the way in its integration of advanced computer and design modelling technologies.

Working with industry

Industry based projects occur throughout the design studios. In 2010, a group of students were asked to design a landscape concept for a 1000sqm footprint for Devine Communities' Arndell Estate in suburban Victoria. The winning design, generated in the studio, is now being built at the AU\$160 million residential community.

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 be provided with 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.

Career outlook

The *Bachelor of Design* provides a foundation for the *Master of Landscape Architecture* (by coursework), an accredited professional degree. 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, landscape construction.

Master of Landscape Architecture (by coursework) graduates will be prepared and accredited for the professional practice of landscape architecture.

Professional recognition

AILA (Australian Institute of Landscape Architects) is landscape architecture's accrediting body. To be accredited as a professional landscape architect you must complete the *Master of Landscape Architecture* (by coursework).

Global connections

- » The landscape program offers a huge range of international exchanges, study tours and internship opportunities. In 2010, students went to Tokyo, Vietnam, China and the US.
- » In 2010, student work completed in design studios was exhibited at the *European Biennial of Landscape Architecture* held in Barcelona. This exciting international event showcased 588 projects from landscape architecture and architecture schools from around the world.
- » There is also an annual internship offered to selected students at the Karres en Brands office in the Netherlands. Karres en Brands were the appointed landscape architects for Federation Square, a popular tourist attraction in Melbourne.

Pathway

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 31)
- » Building and construction (page 31)
- » Building design (architectural) (page 32)
- » Communication design (page 41)
- » Interior design (page 33)
- » Landscape architecture and planning (urban design) (page 36)
- » Surveying (page 160)

LANDSCAPE ARCHITECTURE/
URBAN DESIGN



BP239 *Bachelor of Design (Landscape Architecture)/Bachelor of Applied Science (Planning)*
CRICOS code: 056496G

Duration: 5 years

www.rmit.edu.au/programs/bp239

CITY CAMPUS

The urban sprawl of Melbourne or the design of a new city in China—these are the challenges that face urban designers.

Urban design is widely acknowledged as an emerging profession that connects people with the places they live in to address environmental, aesthetic and economic needs. RMIT's double degree in landscape architecture and planning is strategically positioned to address the future of our cities and the problems associated with population growth. This extends the skills traditionally associated with urban and regional planners and landscape architects in new and exciting areas. You can have a positive influence in the cities and communities you live in through design and planning.

Working with industry

Industry based projects occur throughout the design studios. In 2010, a group of students were asked to design a landscape concept for a 1000sqm footprint for Devine Communities' Arndell estate in suburban Victoria. The winning design, generated in the studio, is now being built at the AU\$160 million residential community.

What you will study

The features of this double degree are:

- » Studios that provide you with an increasingly challenging set of forums within which you can test and integrate ideas by pinning up your designs and debating the strengths and weaknesses of your visions.
- » A series of professionally-orientated urban planning courses, including industry engagement.
- » A set of technical skills-based courses, for example computer-aided design.
- » A set of wider philosophical courses that resonate with debates about social justice, sustainability and a sense of history.

Career outlook

Graduates will be able to find employment in local government, urban design consultancies, landscape architecture practices or state or federal government departments. Graduates will be able to work independently or as part of a multidisciplinary team. The main field of work will probably be urban design, but there are related opportunities in statutory and strategic planning as well as transportation and community engagement. Graduates may work on plazas and pedestrian precincts, new subdivisions, large open spaces such as parks and nature reserves, and urban revitalisation projects.

Professional recognition

Accreditation with PIA (Planning Institute of Australia) has been granted. PIA has mutual recognition of membership status with the New Zealand Planning Institute (NZPI) and Canadian Institute of Planners/Institut Canadien des Urbanistes (CIP). AILA (Australian Institute of Landscape Architects) is landscape architecture's accrediting body.

Global connections

- » The landscape program offers a huge range of international exchanges, study tours and internship opportunities. In 2010, students went to Tokyo, Vietnam, China and the US.
- » In 2010, student work completed in design studios was exhibited at the *European Biennial of Landscape Architecture* held in Barcelona. This exciting international event showcased 588 projects from landscape architecture and architecture schools from around the world.
- » There is also an annual internship offered to selected students at the Karres en Brands office in the Netherlands. Karres en Brands were the appointed landscape architects for Federation Square, a popular tourist attraction in Melbourne.

You may also be interested in...

- » Architectural design (page 31)
- » Environmental science and management (page 126)
- » Landscape architecture (design) (page 35)
- » Project management (page 37)

PROJECT MANAGEMENT

D

BP208 *Bachelor of Applied Science (Project Management)*
CRICOS code: 052325D

Duration: 4 years

www.rmit.edu.au/programs/bp208

CITY CAMPUS

The RMIT *Bachelor of Applied Science (Project Management)* is the only project management bachelor degree in the state of 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 have good administrative, time management, teamwork and 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 complemented through 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.

Working with industry

There is an ongoing connection with industry and strong focus on it. Professionals and experts in the industry are regularly pursued to teach in the program and provide feedback on students' work under the work integrated learning policy of the University.

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 practice', preparing you to be industry ready. You are given 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. Students 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 connections

The School highly encourages its students to undertake Study Abroad programs. Many students in the past have benefited from such programs by studying in the US and Europe.

Pathway

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 31)
- » Construction management (page 33)
- » Property (page 37)

PROPERTY

D

BP209 *Bachelor of Applied Science (Property)*
CRICOS code: 052335B

Duration: 4 years

www.rmit.edu.au/programs/bp209

CITY CAMPUS

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

The *Bachelor of Applied Science (Property)* provides you with specific studies in the property field. You will undertake 18 property-related courses with a broad business and management context that offers you a breadth of variety and specialisation of knowledge. You will develop understanding and 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.

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 are also given 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 are given an insight into the industry environment and the latest trends. The year culminates with an exciting capstone project where you can apply all your skills and knowledge in an industry-focused property research project.

Legend: **D**—Degree program **AD**—Associate Degree program **T**—TAFE program

Academic and English language entry requirements are listed on page 39. Details on teaching methods and assessment can be found on page 14.

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. They may also be self employed as private consultants and there are opportunities with government departments.

Pathway

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 31)
- » Building design (architectural) (page 32)
- » Project management (page 37)
- » Surveying (page 160)
- » Valuation (page 38)

VALUATION



BP210 *Bachelor of Applied Science (Valuation)*
CRICOS code: 052323F

Duration: 4 years
www.rmit.edu.au/programs/bp210

CITY CAMPUS

Property is the single largest component of wealth in our society, so knowing the value of property is important. Value relates to the physical, locational and legal characteristics of property.

As a valuer it is critical you have a good understanding of property principles and the different aspects of the property industry: development, valuation, investment and management.

RMIT's degree provides you with specific studies in the property field, specialising in valuation.

The structure also allows you to gain a broad understanding in related areas of property and construction management.

As a valuer you will deal with all aspects of property valuation, including land and all improvements, such as buildings, fences and landscaping, in all asset classes including residential, commercial, retail, industrial, special purpose and rural. This degree will give you a good grounding to specialise in property valuation as well as the broader property profession.

Working with industry

You will undertake work experience within the industry. Fourth-year industry learning receives significant support from the valuation and property industry, with employers actively seeking RMIT students.

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 learn basic construction and project management skills that will aid you in your work and studies.

Year two

You will study the valuation industry in greater detail, with the introduction of courses covering valuation techniques and applications. Studies also include the skills to carry out land and property development and management of the property assets. You are also given broader property skills in aspects such as applied law and property economics.

Year three

The third year builds on the material of second year and looks in depth at valuation procedures, asset management and the property investment markets. You will gain deeper knowledge and skills to analyse the features and performance of the individual property and the associated marketplace.

Year four

The final year prepares you to be industry ready. You are given an insight into the industry environment and the latest trends. The year culminates with an exciting capstone project where you can apply all your skills and knowledge in an industry-focused valuation research project.

Career outlook

Property valuers are primarily concerned with the estimation of the value of all types of rural and urban land and buildings for many different purposes, including business activities, proposed mortgage loans, prospective purchase and sales, and for statutory purposes by government authorities for rating, taxing and compensation following acquisition, including plant and equipment.

Graduates are employed in private practice as well as government agencies. Once the graduate is registered, there is the opportunity for self employment, with many small valuation companies currently operating.

Professional recognition

The degree is accredited by the Australian Property Institute (API) which has reciprocity agreements with countries such as Canada, Hong Kong, New Zealand and Singapore, and membership with the Royal Institution of Chartered Surveyors (RICS) which is recognised worldwide. The degree provides the academic base for membership. The API bodies also require applicants to have work experience, and meet other membership criteria.

Pathway

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...

- » Property (page 37)

To view RMIT student works and galleries, visit www.rmit.edu.au/dsc

Minimum entry requirements

To look up the equivalent academic qualification for your country, go to page 164.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
C5249	<i>Diploma of Interior Design and Decoration</i>	Minimum 50% average	Completion of the Art, Design and Architecture stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 5.5 with no individual band below 5.0; or » TOEFL (Paper-based) minimum 530 with Test of Written English (TWE) no less than 3.5; or » TOEFL (iBT) minimum overall score of 71 with a minimum of 17 in all sections; or » Successful completion of REW Upper Intermediate program. 	—
C6097	<i>Advanced Diploma of Building Design (Architectural)</i>	Minimum 50% average	Completion of the Art, Design and Architecture stream or the Property and Construction Management stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Successful completion of REW Upper Intermediate program. 	—
C5256	<i>Diploma of Building and Construction (Building)</i>				
BP105	<i>Bachelor of Applied Science (Construction Management)</i>	Minimum 65% average	Completion of the Business stream or the Property and Construction Management stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	—
BP208	<i>Bachelor of Applied Science (Project Management)</i>				
BP209	<i>Bachelor of Applied Science (Property)</i>				
BP210	<i>Bachelor of Applied Science (Valuation)</i>				
BP196	<i>Bachelor of Design (Interior Design)</i>	Minimum 70% average	Completion of the Art, Design and Architecture stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>A portfolio is required. The portfolio should demonstrate skills, design interests, visual knowledge and individual approaches to design issues.</p> <p>The July intake is only available to applicants with advanced standing.</p>
BP239	<i>Bachelor of Design (Landscape Architecture)/Bachelor of Applied Science (Planning)</i>		A portfolio is required.		
BP256	<i>Bachelor of Design</i>				
BP250	<i>Bachelor of Architectural Design</i>	Minimum 80% average	Completion of the Art, Design and Architecture stream with a minimum 80% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites. A portfolio may be required.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>Applicants who are seeking first year entry are required to complete the Design exercise test.</p> <p>Applicants who are seeking advanced standing or RPL are required to submit a course syllabus and a portfolio showcasing their skills.</p> <p>The July intake is only available to applicants with advanced standing.</p>

Note that entry requirements are indicative minimum requirements only.

Generally, a portfolio presentation should comprise 15 to 30 pieces of your own personal work. Some disciplines have specific portfolio requirements (see above). Portfolios may be submitted in the form of a CD-ROM, preferably in PDF, JPEG, SWF, DCR or QuickTime format suitable to be read on Mac OS X or later. Colour hard copy folios may be acceptable for some disciplines. Electronic file sizes should be no larger than 10MB. The portfolio should contain a variety of your personal work in art, design or media which demonstrates your creative and conceptual and technical abilities. Pieces can include drawings, paintings, graphic designs, sculpture, video, scripting, short stories, and/or 2D and 3D Flash animation. We recommend you clearly annotate each work with supportive information that will assist the selection officer to understand the purpose and background of each piece. The CD must be attached in a separate folder and clearly labelled with name and contact details. Portfolios will not be returned.

Supplementary forms, if required, are available on www.rmit.edu.au/programs/international/forms

Legend: **D**—Degree program **AD**—Associate Degree program **T**—TAFE program;
Details on teaching methods and assessment can be found on page 14.



TURN YOUR TALENT INTO A CAREER

RMIT plays a pivotal role in the areas of art and design. Its programs are held in high regard within the industry and the University has a long history of excellence in the development of new forms of technologies in these fields.

Students' talents are often showcased in the global arena, from the Milan Furniture Fair and Shanghai Art and Design Biennale to independent film festivals and various national exhibitions.

The wide range of career-oriented artistic expression and practical programs include:

- » animation, game design and interactive media
- » fashion design
- » fashion and textile merchandising
- » fine art
- » furniture
- » printing and graphic arts
- » industrial and product design
- » photography
- » textile design
- » textile manufacturing
- » textile technology
- » visual art
- » visual merchandising.

How will you stand out from the crowd?

'The design course at RMIT is the best choice in the area of animation design in Australia. Studying at RMIT has been such an enriching experience. I have gained not only in terms of academic knowledge and research skills, but I have also learnt to be self-disciplined and independent.'

**RUSI ZHANG, CHINA
BACHELOR OF ARTS (ANIMATION AND INTERACTIVE MEDIA)**

ANIMATION AND INTERACTIVE MEDIA

D

BP203 *Bachelor of Arts*
(*Animation and Interactive Media*)
CRICOS code: 035361G

Duration: 3 years

www.rmit.edu.au/programs/bp203

CITY CAMPUS

Through this degree, you will be trained as a specialist in digital media and design, including animation (2D and 3D), digital video, motion graphics, special effects, interactive media and sound design.

This program context is presented in a creative and supportive environment of artistic and design endeavour, with an emphasis on intellectual investigation and conceptual development.

Students and staff associated with this degree are widely acknowledged nationally and internationally and have exhibited in festivals and conferences.

All staff are practising artists, designers and industry practitioners. They are experienced educators who are actively engaged in research in their areas of expertise.

Working with industry

The degree is conducted using a studio-based model that replicates the work environment. The tasks set throughout the degree simulate industry-based work practices and therefore offer a work-integrated learning environment.

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 are able to choose from the following electives: 2D animation, 3D animation, sound design, interactive media, video, experimental video, experimental sound, alternative animation.

Year three

In the final year an emphasis on collaborative and conceptual development will occur. 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 instigate 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.

Pathway

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.

You may also be interested in...

- » Games graphic design (page 48)
- » Information technology (multimedia design) (page 85)
- » Multimedia systems (page 87)

COMMUNICATION DESIGN

D

BP115 *Bachelor of Design*
(*Communication Design*)
CRICOS code: 012348F

Duration: 3 years

www.rmit.edu.au/programs/bp115

CITY CAMPUS

Communication design at RMIT is both graphic and strategic, as it recognises that the designer must work with more than just visual technologies and have a greater diversity of professionalism.

You will develop a unique visual language based on a thorough knowledge of conceptual and design principles combined with your individual design aesthetic. You will gain a strong knowledge of the technologies and media for production.

The degree prepares you, as a designer, to interact with groups of people from various creative backgrounds who have different methods of identifying and addressing the design problem. Throughout the degree you will develop skills in negotiating a consensus among participants with a range of interests in the design outcome.

You will also learn how a visual strategy can contribute to all phases of the problem-solving process.

What you will study

In the first three semesters, you are taught in a series of assigned sequential, interrelated projects which cover a broad spectrum of communication design activities. The following three semesters allow you to participate in a range of design and communication electives.

Software delivery is taught in association with the design process, rather than in isolation. On completion of the degree it is expected that your software knowledge will be of industry standard for print and digital media.

Major areas of study are:

- » communication strategies
- » conceptual thinking
- » design process
- » media
- » publication
- » strategic branding
- » typography.

Career outlook

Graduates can expect to work within graphic design consultancies, interdisciplinary consultancies, publishing houses, new media/multimedia studios and advertising agencies.

Pathway

Graduates of the *Diploma of Graphic Design* may be eligible for up to 96 credit points of advanced standing subject to the options chosen.

You may also be interested in...

- » Advertising (page 144)
- » Design (page 42)
- » Graphic design (page 42)
- » Printing and graphic arts (multimedia) (page 51)

DESIGN

C4158 *Certificate IV in Design*
CRICOS code: 053194B

Duration: 1 year (Feb intake)

C4158INT *Certificate IV in Design*
CRICOS code: 054491G

Duration: 21 weeks (July intake)

www.rmit.edu.au/programs/c4158

BRUNSWICK CAMPUS

Certificate IV is your entry point to develop your knowledge and skills in visual communication, creative thinking, 2D and 3D design.

In this program you will focus on the investigation and development of design projects in a studio environment.

Program features

You will develop an individual folio of creative work that you can use to apply for higher levels of design study, or as an entry point into the workforce.

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.

Working with industry

You will work in studio environments on industry standard briefs and projects, developing skills and knowledge in design principles that result in practical industry-style outcomes.

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 acquire design industry health and safety knowledge.

Electives you can study will explore video art and multimedia production alongside graphic design and typography.

Teaching methods

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

Career outlook

The certificate IV prepares you for further study in the graphic design or product design fields. If you are currently working, this qualification will add value to your current career and future prospects.

Professional recognition

This program is a national qualification and is part of CUV03 Visual Arts, Craft and Design Training Package and developed by Industry Business Skills Australia.

Pathway

The *Certificate IV in Design* has guaranteed pathways for eligible graduates into the following diplomas:

- » Building design (architectural)
- » Furniture design and technology
- » Graphic design
- » Interior decoration and design
- » Product design
- » Visual Merchandising.

Eligible graduates must successfully complete the certificate IV and achieve a CC (Competency with Credit)* average.

* CC (Competency with Credit) grades that apply to TAFE courses delivered in accordance with competency-based assessment, but which also utilise graded assessment.

You may also be interested in...

- » Animation and interactive media (page 41)
- » Communication design (page 41)
- » Computer science (games, graphics, and digital media) (page 84)
- » Games graphic design (page 48)
- » Graphic design (page 42)
- » Information technology (multimedia design) (page 85)
- » Visual art (page 55)

GRAPHIC DESIGN

C5230 *Diploma of Graphic Design*
CRICOS code: 067318B

Duration: 2 years

www.rmit.edu.au/programs/c5230

BRUNSWICK CAMPUS

Imagine working as a graphic designer creating magazine and advertising layouts, display, packaging or fashion graphics?

This program will develop your skills and knowledge for a creative career in the graphic design industry. You will graduate as a highly-trained graphic designer eligible to start your own business or work in a range of positions for companies in Australia and overseas.

The focus of this program is to provide you with a strong technical expertise in finished art, expanding your understanding of design concept development and the design process.

There is a strong emphasis on becoming an expert user of industry standard software—InDesign, Illustrator and Photoshop.

This is an intensive program that produces industry-ready graduates within two years. It is a benefit for you to have basic computer skills (Mac), drawing skills, time management and organisational skills.

Working with industry

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 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.

Pathway

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 144)
- » Communication design (page 41)
- » Design (page 42)

FASHION



BP194 *Bachelor of Design (Fashion)*
CRICOS code: 048217J

Duration: 4 years

www.rmit.edu.au/programs/bp194

CITY CAMPUS

The *Bachelor of Design (Fashion)* is globally renowned as an incubator of creativity.

RMIT fashion students are selected to showcase in national and international awards and events. At the 2011 L'Oréal Melbourne Fashion Festival, five out of the 12 students showcased from across Australia were from RMIT's fashion design degree.

The four-year degree program focuses on engaging studio experiences that challenge students to develop innovative responses within the realm of fashion. Graduates work across the globe, many evolving into their own independent design practice or working for high-profile fashion labels. The rigour within the program means that RMIT Fashion Design proudly benchmarks against the best degree programs around the world and has a global approach to fashion education.

RMIT Fashion focuses on innovative design, advanced creative skills, conceptual thinking, critical analysis and practical expertise to support original ideas and depth of research for proposed design opportunities.

The *Bachelor of Design (Fashion)* community is vibrant and exciting. Students from a diverse range of backgrounds and experiences choose to study at RMIT, including international students from around the globe.

Working with industry

There are opportunities to partake in an internship that supports your own design focus during the fourth year of the degree. Internships of this nature 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, Bless and Martin Grant 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 Dinnigan 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, affording you the freedom to determine the focus of your own degree.

Project-based design studios are reflective of, and informed by, the research activities of the discipline's academic staff and issues pertinent to fashion and the fashion industry. 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, Viktor and Rolf, Christopher Kane and Vivienne Westwood.

The RMIT fashion degree prepares students to be professionally qualified designers able to fulfil a broad range of career opportunities in fashion and related industries. 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, and the Design Institute of Australia.

Global connections

Students in the program 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 its inception, RMIT fashion design graduates have been the recipients of the major prize awarded by the Australians in New York Fashion Foundation, providing the winner with a funded 12-month internship in New York with high-profile fashion labels including Calvin Klein and Narciso Rodriguez.

Pathway

Graduates of the *Diploma of Applied Fashion and Technology* with an average GPA of 3.0 will be eligible for 96 credit points of advanced standing. Additional requirements apply.

You may also be interested in...

- » Fashion technology (page 46)
- » Fashion and textile merchandising (page 44)
- » Fashion and textile merchandising (associate degree) (page 44)
- » Textile design (page 52)
- » Textile design and development (page 53)
- » Textile technology (page 54)

FASHION AND TEXTILE MERCHANDISING

D

BP212 *Bachelor of Applied Science (Fashion and Textile Merchandising)*
CRICOS code: 052664G

Duration: 1 year

www.rmit.edu.au/programs/bp212

BRUNSWICK CAMPUS

The fashion and textile merchandising degree is for graduates who are seeking to develop the necessary skills and capabilities to interpret and manage in fashion enterprises.

The degree builds upon graduates' skills developed in the *Associate Degree of Fashion and Textiles Merchandising*.

In the degree, you will focus on the technical skills and theory required to market fashion and textile-related products throughout each stage of the supply chain. You will study retail, computer aided design, research, supply chain and management studies to provide you with a theoretical framework.

The application of fashion merchandising related to consumer demand for fashion, textiles and related products is studied in a local and international context.

Working with industry

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 global business environment.

You will study the strategic context of an organisation including the changing market environment, product and research and 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 connections

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 will see the world and broaden your horizon.

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

Prerequisite

Successful completion of RMIT's *Associate Degree in Fashion and Textiles Merchandising* or equivalent.

You may also be interested in...

- » Fashion technology (page 46)
- » Textile design (page 52)
- » Textile technology (page 54)

FASHION AND TEXTILE MERCHANDISING

AD

AD013 *Associate Degree in Fashion and Textile Merchandising*
CRICOS code: 071874F

Duration: 2 years

www.rmit.edu.au/programs/ad013

BRUNSWICK CAMPUS

The *Associate Degree in Fashion and Textile Merchandising* is designed to give you the opportunity to explore and integrate creativity with business.

With an international focus, this program helps you pursue a career in buying, product development, retail management, planning, allocation and quality.

This program's major highlight allows you to work in teams on industry-based projects with some of the biggest names in fashion, including Sportsgirl, Country Road, Target, Spotlight, and Bardot Fashion Australia. In these projects, you will work with fashion industry professionals and experience first hand their mentoring and guidance.

If you are creative and business minded, enjoy fashion and challenges, this program will inspire you and help you develop your potential.

Working with industry

The program offers work placements with over 100 Victorian based fashion and textiles businesses. Students often gain full-time employment with their work experience companies.

During your second year you will participate in the Young Essential Project (YEP), working in teams to develop a product range. In 2010, students worked with Sportsgirl, Country Road and Target. Students developed lingerie, Spring Carnival fashion garments, casual and street wear, and soft furnishings.

What you will study

Year one

In your first year you will gain knowledge of textiles, product development, marketing, supply chain, fashion mathematics, visual merchandising and computer skills. You will apply these skills to an industry based project. This opportunity will show you how each course you study is linked to the fashion world.

Year two

You will build on your studies and proceed to an advanced level in computer-aided design, product development, and supply chain. You will take on new exciting courses related to fashion retail in fashion branding, fashion retail and merchandising management, merchandising planning, global fashion marketing and fashion and textile industry research.

This program develops graduate capabilities that industries look for. These include self management skills, problem solving skills, research skills, analytical skills, and self directed learning skills.

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.

RMIT 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 of this program have started their own fashion labels and boutique businesses.

Professional recognition

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

Global connections

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 will see the world and broaden your horizon.

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

Pathway

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 44)
- » Visual merchandising (page 55)

FASHION DESIGN



C5220 *Diploma of Applied Fashion Design and Technology*
CRICOS code: 065164J

Duration: 2 years

www.rmit.edu.au/programs/c5220

BRUNSWICK CAMPUS

NB: This program will be replaced by the *new Associate Degree in Fashion Design and Technology* in 2012. Please contact isu@rmit.edu.au for details.

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

You will graduate with the professional skills to work in design, patternmaking, quality and production control, specifications and technical development and computer-aided design and logistics. You will also have the knowledge to start your own business.

In your first year you will be given a comprehensive introduction to the fundamental skills for woven and knit product. There is an emphasis on design, drawing and illustration, textiles, patternmaking and print. In the second semester you can choose a career specialisation (stream) in either fashion design or fashion knitwear for the remainder of your studies.

In your second year you will develop a deeper understanding of design, production and fashion business operations appropriate for your chosen stream. You will be involved in commercial situations and collaborations with external fashion companies based on real-life design briefs and challenges.

Working with industry

You will undertake work placements in your second year. This is a hugely beneficial experience, with most students gaining full-time employment at graduation.

Companies range from small to large fashion design and production-related businesses including Gwendolynne, 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, Yeojin Bae, Marianna Hardwick and 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 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 developing your skills, working with industry 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.

Career outlook

The program is designed to provide high level skills in fashion design and expert skills in specialist patternmaking, managing design and product development.

Graduates can gain employment with leading fashion organisations in Australia and overseas.

Graduates can successfully establish their own fashion enterprises after several years experience within the industry.

Graduates 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 connections

Study tours are held in Paris with a focus on fashion design. You will tour Parisian fashion houses and galleries and attend lectures with our 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 in partnership with RMIT.

Pathway

Graduates may apply for exemptions from the following degree:

- » *Bachelor of Applied Science (Fashion Technology)*

You may also be interested in...

- » Fashion (page 43)
- » Fashion technology (page 46)
- » Fashion and textile merchandising (page 44)
- » Fashion and textile merchandising (associate degree) (page 44)
- » Textile design (page 52)
- » Textile design and development (page 53)
- » Textile technology (page 54)

FASHION TECHNOLOGY



BP211 *Bachelor of Applied Science (Fashion Technology)*
CRICOS code: 052663G

Duration: 1 year

www.rmit.edu.au/programs/bp211

BRUNSWICK CAMPUS

The fashion technology degree allows diploma graduates to advance their technical skills and knowledge in fashion design. This program lets you explore 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 and pattern technology that will further enhance your product design and development skills.

You will 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 fashion and textiles global business environment.

You will study the strategic context of an organisation including the changing market environment, product and research and 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.

Professional recognition

The program is recognised and supported by Manufacturing Skills Australia (MSA).

Pathway

Successful completion of RMIT's *Diploma of Applied Fashion and Technology* or equivalent.

You may also be interested in...

- » Fashion and textile merchandising (page 44)
- » Textile design (page 52)
- » Textile technology (page 54)

FINE ART



BP201 *Bachelor of Arts (Fine Art)*
CRICOS code: 006848C

Duration: 3 years

www.rmit.edu.au/programs/bp201

CITY CAMPUS

The *Bachelor of Arts (Fine Art)* is a practice-based fine art program offering studies in a range of specialised areas. Studio practice is central to the program, and throughout the degree you will engage in 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.

Working with industry

The degree is a practice-based degree complemented by studies in the history and theory of art and culture. All areas of study are integrated into industry experience through assessment and critical feedback. In addition to this, the program provides an internship through partnerships with a 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.

Specific study is available in ceramics, drawing, fine art photography, gold and silversmithing, media arts, painting, printmaking, sculpture and sound. Interdisciplinary practices across multiple technologies and mediums is available.

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 area.

In **year two** of the program, you 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 of the program, is fully student-centred, and you develop your own projects.

Career outlook

Graduates are multi-skilled 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 connections

The program offers a range of options for global connections. 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.

Pathway

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.

Graduates of the *Advanced Diploma of Screenwriting* 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 41)
- » Communication design (page 41)
- » Design (page 42)
- » Education (art specialisation) (page 92)
- » Furniture design (pages 47–48)
- » Graphic design (page 42)
- » Visual art (page 55)

FURNITURE DESIGN

AD

AD007 *Associate Degree in Design (Furniture)*
CRICOS code: 061154K

Duration: 2 years

www.rmit.edu.au/programs/ad007

CITY CAMPUS

Combining theory with high level industry skills, you will explore your professional future in major production companies or as an independent designer in the global furniture industry.

Furniture design at RMIT offers a blend of topics that enables you to design modern furniture.

You will investigate contemporary, cultural and environmental aspects of the professional furniture design practice.

You will work with staff from the professional design community.

Working with industry

The design studio course is your key learning activity in this program.

Your design projects 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 real-life practise 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 with 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. You are able to join as a member while studying, or once you have graduated.

Pathway

Eligible graduates from the following program will receive up to one year exemption into the associate degree:

- » *Diploma of Furniture Design and Technology*

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 49)
- » Product design (page 52)

FURNITURE DESIGN



C5252 *Diploma of Furniture Design and Technology*
CRICOS code: 070465J

Duration: 2 years

www.rmit.edu.au/programs/c5252

CITY CAMPUS

In furniture design and technology, you will bring your ideas and concepts to life. This program is designed to develop your knowledge and skills in furniture production, from the development and management of prototypes through to final manufacture.

During the two-year program, you will develop an understanding of how furniture is constructed and work as a designer and prototype developer.

The program includes an industry show to promote your designs and abilities to future individual clients and furniture manufacturers.

Working with industry

In this practical based program, you will work with prominent Australian companies to explore theories and conceptual ideas of design by making your own furniture items.

Your projects will involve designing, developing and constructing your own industry standard furniture items.

Teachers in this program are experienced industry practitioners integrating current industry practices with your studies.

What you will study

Year one—*Certificate IV in Furniture Design and Technology*

The first year of the diploma gives you a strong grounding in:

- » the design process and ideas generation
- » construction of timber furniture
- » materials and processes
- » concept and technical presentations (including CAD)
- » environmental issues in the production of furniture.

Year two—*Diploma of Furniture Design and Technology*

The major focus of your second year is workshop practice. You will use your design and creative skills to produce three major furniture items for the end of year show.

In your second year, you will study Computer Numeric Controlled (CNC) manufacturing and furniture design professional practice.

Assessment

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

Career outlook

Graduates work as independent designers, working in cooperation with other furniture designers in the design and production of custom furniture.

Professional recognition

This program is recognised by the Manufacturing Skills Council and the Design Institute of Australia.

Pathway

Graduates with a GPA of 4.0 may 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...

- » Furniture design (page 47)
- » Industrial design (page 49)
- » Product design (page 52)

GAMES



BP214 *Bachelor of Arts (Games Graphics Design)**
CRICOS code: 052659D

Duration: 3 years

www.rmit.edu.au/programs/bp214

* This program is currently undergoing a title change. Please refer to the website for updates.

CITY CAMPUS

Do you want to develop your digital art and design talent to create rich characters, environments and worlds? Then RMIT's games degree can help you develop your design and technical skills for the creative industries. There is increasing demand in the creative industries for designers and artists skilled in producing rich interactive experiences. In industry, digital artists, designers and programmers work together to produce material for a variety of platforms, including computers, consoles, and mobile devices.

The *Bachelor of Arts (Games Graphics Design)* provides specialist training and theory in computer generated design, with particular emphasis on game theory and practice. You will undertake courses in design, narrative, imaging, modelling and animation (2D and 3D), time-based and interactive authoring and basic computing and programming. This degree was designed in response to industry demand for graduates with strong conceptual game design skills and specialist art skills.

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, sound design for interactive environments, experience 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)*. You may then select specialist electives in advanced 3D, sound design for interactive environments, experience design or programming electives that support pathways in web3D, java and C++ 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...

- » Multimedia systems (design) (page 87)
- » Information technology (multimedia design) (page 85)

INDUSTRIAL DESIGN



Working with industry

BP195 *Bachelor of Design (Industrial Design)*
CRICOS code: 006847D

Duration: 4 years

www.rmit.edu.au/programs/bp195

CITY CAMPUS

Industrial designers invent, visualise, prototype and ultimately deliver resolved design solutions to complex problems in the form of new products and services. The socio-cultural, technological, material, aesthetic and experiential dimensions of a particular need or opportunity in specific situations and contexts are teased out through a variety of design methods and processes in order to propose new and better alternatives.

For more than 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. Significant scope is given to explore both established and emerging domains of the discipline, as well as to develop capabilities and professional ethics through design.

You will explore:

- » producing commercially-oriented approaches to product, transportation and furniture design
- » design of sustainable product/service/systems
- » design as a mechanism for enabling social reform and cultural enrichment
- » the increasingly blurred intersections of our digital and material worlds
- » design as a way to address the needs of clients, user groups and communities.

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

Student engagements 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.

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—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 connections

Industrial design students have the opportunity to do exchange 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.

Pathway

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 Furniture Design and Technology* with an 80% average will be eligible for 96 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 41)
- » Communication design (page 41)
- » Furniture design (pages 47–48)
- » Mechanical engineering (pages 115–116)
- » Product design (page 52)

INTERACTIVE DIGITAL MEDIA T

C5218 *Diploma of Interactive Digital Media*
CRICOS code: 066394J

Duration: 1 year

www.rmit.edu.au/programs/c5218

C6087 *Advanced Diploma of Screen and Media (Multimedia)*
CRICOS code: 066599G

Duration: 1 year

www.rmit.edu.au/programs/c6087

CITY CAMPUS

These programs provide the broad base necessary to develop a career within the art, design, screen and media industries. A creative and supportive environment of artistic and intellectual investigation is provided, while maintaining active links with industry.

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

What you will study

Diploma

The *Diploma of Interactive Digital Media* prepares you for 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 following key areas:

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

Working with industry

Students are actively encouraged to engage in part-time, casual or volunteer work in a range of screen and new media industries to develop and apply their knowledge and skills and to acquire workplace experience.

Teaching methods

Classes are taught in a combination of lecture, tutorial, workshop, studio, practical and laboratory sessions.

Career outlook

You will develop aesthetic maturity and technical abilities within the creative disciplines of design, media and art.

Graduates have pursued careers as graphic designers, animators, 3D visualisers and modellers, web designers, interface designers, DVD designers, producers, art directors, video producers, sound designers, game designers, teachers, researchers and digital artists.

While many are employed within companies, others instigate their own successful freelance practices through industry networks developed during their studies.

Pathway

Graduates of the advanced diploma with an average GPA of 3.0 may be eligible for entry into the *Bachelor of Arts (Digital Art)* with 96 credit points of advanced standing. Additional requirements apply.

Graduates of the advanced diploma may be eligible for entry into the *Bachelor of Arts (Animation and Interactive Media)* with 144 credit points of advanced standing. Additional requirements apply.

Graduates of the advanced diploma may 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 advanced diploma with an average GPA of 3.0 may be eligible for entry into the *Bachelor of Arts (Games Graphics Design)* with up to 96 credit points of advanced standing. Additional requirements apply.

You may also be interested in...

- » Animation and interactive media (page 41)
- » Games graphic design (page 48)
- » Information technology (multimedia design) (page 85)

INTERIOR DESIGN D

BP196 *Bachelor of Design (Interior Design)*
CRICOS code: 048216K

Duration: 4 years

www.rmit.edu.au/programs/bp196

CITY CAMPUS

Please refer to page 33 for program details.

INTERIOR DESIGN AND DECORATION T

C5249 *Diploma of Interior Design and Decoration*
CRICOS code: 070397E

Duration: 2 years (Feb intake)

C5249ACC *Diploma of Interior Design and Decoration*
CRICOS code: 071274G

Duration: 1.5 years (July intake)

www.rmit.edu.au/programs/c5249

CITY CAMPUS

Please refer to page 34 for program details.

MULTIMEDIA SYSTEMS (DESIGN) D

BP153 *Bachelor of Design (Multimedia Systems)*
CRICOS code: 040966C

Duration: 4 years

www.rmit.edu.au/programs/bp153

CITY CAMPUS

Please refer to page 87 for program details.

PHOTOGRAPHY (ARTS) D

BP117 *Bachelor of Arts (Photography)*
CRICOS code: 006593K

Duration: 3 years

www.rmit.edu.au/programs/bp117

CITY CAMPUS

Established in 1887, the *Bachelor of Arts (Photography)* is the oldest continuous running photography program in the world and has earned an enviable reputation. The program delivers contemporary commercial skills to its students from the finest commercial photographers and respected academics in Australia.

With generous studio facilities, modern lecture theatres and state-of-the-art Apple Macintosh computer labs, students experience cutting-edge education.

Photography at RMIT produces professional image-makers of the highest calibre and emphasises the need for creative thinking and a personal exploration of the underlying meaning of photographic image making.

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

The first year of study enables you to gain a solid grounding in core photographic techniques, materials, concepts, theories and processes. In second year you will choose from a broad range of photographic specialist courses and student electives, and 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, photojournalism, 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 prepared for a career in photography.

Pathway

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 144)
- » Fine art—fine art photography (page 46)
- » Photoimaging (page 51)

PHOTOGRAPHY AND PHOTOIMAGING T

C4224 *Certificate IV in Photoimaging*
CRICOS code: 066398E

Duration: 1 year
www.rmit.edu.au/programs/c4224

C5228 *Diploma of Photoimaging*
CRICOS code: 066399D

Duration: 1 year
www.rmit.edu.au/programs/c5228
CITY CAMPUS

The photoimaging programs are designed to build core skills and knowledge in the key functional areas of image capture (studio and location), digital manipulation, output and photo theory.

Working with industry

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 individuals working as a photographer's assistant, who apply 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.

Diploma

The *Diploma of Photoimaging* is for photoimaging practitioners who have a sound theoretical knowledge base and use a range of specialised and technical competencies to plan, carry out and evaluate photoimaging services.

This qualification is relevant to a range of industry contexts, such as commercial, domestic portrait, media, wedding, illustrative, institutional and art photography.

Areas covered:

- » advanced lighting
- » colour management
- » innovation and presentation
- » interactive media and web environments
- » photo images for media, publication and technical purposes
- » styling
- » visual communication
- » work practices.

Teaching methods

Classes are taught in a combination of lecture, location, tutorial, workshop, studio, practical and laboratory sessions.

Assessment

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

Career outlook

Graduates are employed as photographers, technologists or paraprofessionals in areas such as advertising, commercial, industrial, wedding and portrait photography. Many of our graduates establish and run successful independent practices.

Pathway

Graduates of the diploma with a GPA of 4.0 will be eligible for entry into the *Bachelor of Arts (Photography)* with 96 credit points of advanced standing.

You may also be interested in...

- » Fine art—fine art photography (page 46)
- » Photography (page 50)

PRINTING AND GRAPHIC ARTS (MULTIMEDIA) T

C4278 *Certificate IV in Printing and Graphic Arts (Multimedia)*
CRICOS code: 073343F

Duration: 1 year
www.rmit.edu.au/programs/c4278

C5284 *Diploma of Printing and Graphic Arts (Multimedia)*
CRICOS code: 073344E

Duration: 1 year
www.rmit.edu.au/programs/c5284

BRUNSWICK CAMPUS

This program gives you the necessary skills and knowledge in all aspects of digital image design, manipulation and assembly, plus the management practices necessary for digital output to multimedia platforms and other communication media.

You must successfully complete the certificate IV before progressing to the diploma.

What you will study

You will develop specialised technical and management skills to plan, design, produce and evaluate your own work or team work in the multimedia sector of the printing and graphic arts industry.

You will design and author multimedia information, create electronic documents, and manipulate databases and information systems.

Career outlook

This program is a recognised qualification for a career in desktop publishing, graphic pre-press, multimedia development, multimedia graphic design or website design.

Job roles

- » Multimedia developer
- » Multimedia graphic designer
- » Website designer

Professional recognition

This program is recognised by the Printing Divisional Council of the EPIC Industry Training Board. There is national support throughout the printing industry from Australian Metal Workers Union (Printing Division) and Printing Industries Association of Australia.

Pathway

Graduates of the *Certificate IV in Printing and Graphic Arts (Multimedia)* may progress to the *Diploma of Printing and Graphic Arts (Multimedia)*.

PRODUCT DESIGN



C5233 *Diploma of Product Design*
CRICOS code: 067094B

Duration: 2 years

www.rmit.edu.au/programs/c5233

CITY CAMPUS

The *Diploma of Product Design* develops your skills and knowledge to have a career as a product designer in Australia or overseas.

Starting from a project brief, you will learn traditional product development techniques while using the latest industry tools and practices to develop solutions to design problems.

You will be guided through the process of developing new consumer products (such as electrical enclosure, toys or kitchenware) resolving practical, manufacturing and sustainability issues.

Design projects get you involved with local and international companies. Students have recently designed prototypes made in China and Malaysia.

You will graduate to work in small or large design companies or as an independent designer.

Working with industry

Design projects are a key learning activity. You will work on simulated real-world design problems and solve tasks using action-based learning techniques.

Design projects are different from conventional learning, as they involve a creative process that combines hands-on production with the generation of ideas and concepts. The design projects involve active industry, student and staff interaction and group work with peer-to-peer learning in a supportive and flexible structure.

What you will study

This is an intense design program that teaches you the latest skills and knowledge in designing products.

Year one

Starting from a project brief, you learn traditional product development techniques and media. You will work with the latest industry tools and practices to formulate solutions to design problems. You are guided through the process of developing new consumer products (such as toys or kitchenware) resolving practical, manufacturing and environmental issues.

Year two

Using the skills and knowledge from year one you will develop projects with greater complexity and range, including electrical enclosures and mechanical products. You will research and analyse ideas in design and manufacturing, developing your skills and design communication.

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, home wares, 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 designer also undertake freelance work.

Professional recognition

This program is recognised by the Design Institute of Australia.

Global connections

You will work 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.

Pathway

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 (pages 47–48)
- » Industrial design (page 49)

TEXTILE DESIGN



BP121 *Bachelor of Arts (Textile Design)*
CRICOS code: 006851G

Duration: 3 years

www.rmit.edu.au/programs/bp121

BRUNSWICK CAMPUS

Want to put your creativity into designing textiles? Want to see your designs in global fashion and homewares or used in automotive and space technology?

This unique degree qualifies you as a professional textile designer for the fashion, interior, automotive and licensing design industries in Australia and overseas.

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 undertake a range of projects that will result in a professional portfolio you will present to industry.

You will take part in industry-related projects and develop communication, business and computer-aided textile design (CATD) skills which will meet global industry needs for your future success.

Working with industry

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 on-site 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&Mia, 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 to students 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 we introduce to you textile business and careers, with an emphasis on creating the right folio for industry and small business presentations. You are given real-time projects and awards in this final year to create a folio of diverse projects that emphasise your skills and capabilities. Students also participate in the end of year degree show by exhibiting project work to our industry and community partners. Projects with The Johnston Collection, RMIT Architecture and Design, Dryen Australia and the Warwick Dreamweaver Award; 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.

Pathway

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 43)
- » Fashion technology (page 46)
- » Industrial design (page 49)
- » Textile design and development (page 53)
- » Textile technology (page 54)

TEXTILE DESIGN AND DEVELOPMENT



C5213 *Diploma of Textile Design and Development*
CRICOS code: 064169A

Duration: 2 years

www.rmit.edu.au/programs/c5213

BRUNSWICK CAMPUS

As a textile designer you will create designs produced on knitted, woven and printed fabrics or textile products for fashion, interiors, homewares, craft, and other commercial applications. You can also work in graphics, packaging, greeting cards, ceramics, wrapping and wallpaper.

You can work as part of a design team for small and large companies or start your own business.

This is a practical, hands-on, studio based program where you will have access to state-of-the-art facilities to undertake projects 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 have you involved in developing a collection and producing a range of textiles to technical and market specifications.

Working with industry

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 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 introducing you to industry practice and market viability. The application of sustainable practices in the TCF (textiles, clothing and footwear) sector is integrated into the teaching of production and manufacturing processes, working to specifications and costings, marketing your products and communicating your concepts. Industry representatives will provide you with direct feedback.

Career outlook

Graduates are currently employed as:

- » textile designers/artists/makers/crafters
- » knitters, weavers, screenprinters
- » self-employed freelance designers
- » fabric wholesalers

in the following areas:

- » 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.

Other areas in which you will find work:

- » fabric importers and distributors
- » design education
- » department store fabric buyers
- » colour forecasting
- » styling
- » international aid organisations assisting disadvantaged communities with product development.

Opportunities also exist for working overseas with sourcing and textile production companies.

Pathway

On successful completion of the second year diploma students may be eligible to continue into the advanced diploma program.

Graduates may apply for exemptions from the following degree:

- » *Bachelor of Arts (Textile Design)*

You may also be interested in...

- » Fashion (page 43)
- » Fashion technology (page 46)
- » Fine art (page 46)
- » Interior design and decoration (page 34)
- » Textile design (page 52)
- » Textile technology (page 54)

TEXTILE TECHNOLOGY



BP123 *Bachelor of Applied Science (Textile Technology)*
CRICOS code: 025154J

Duration: 3 years
www.rmit.edu.au/programs/bp123

BRUNSWICK CAMPUS

The textile technology degree provides you with the skills and knowledge needed for a professional career in the fashion and textile industries, including sportswear and performance apparel, interior textiles, automotive textiles and advanced technical materials.

This program focuses on the theory and practical applications in the areas of product development, product design, product engineering, global marketing, and management in wide areas 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.

Product development studies incorporate the latest computer-aided design systems, which enable you to create, develop, trial and evaluate new product design in a simulated commercial environment.

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 small and large companies.

Professional recognition

The *Bachelor of Applied Science (Textile Technology)* degree program is professionally accredited by the Textile Institute: www.texti.org

The Textile Institute is a worldwide organisation that covers all sectors and all disciplines in textiles, clothing and footwear (TCF). Within the global TCF industries, the aim of the Institute is to facilitate learning, to recognise achievement, to reward excellence and to disseminate information.

Upon the completion of this program, the *Bachelor of Applied Science (Textile Technology)* degree, you are eligible to apply for membership with the Textile Institute.

Global connections

Study Abroad and student exchange opportunities exist. Currently we have students on exchange with North Carolina State University USA.

You may also be interested in...

- » Fashion and textile merchandising (page 44)
- » Textile design (page 52)

VISUAL ART



C5234 *Diploma of Visual Art*
CRICOS code: 065963M

Duration: 2 years

www.rmit.edu.au/programs/c5234

CITY CAMPUS

RMIT is the largest provider of visual arts education in Victoria, offering a broad range of studio electives spanning painting, printmaking, drawing, sculpture, digital imaging, and public art. This program prepares individuals who wish to pursue a career as visual artists or in other creative fields. This is achieved by studying practical and theoretical courses developed in conjunction with the arts industry.

The major emphasis of the *Diploma of Visual Art* is the production of a folio of work that reflects your personal creative inquiry, and the pursuit of excellence. The folio will display a sequential development, with emphasis on the acquisition of skills and the adaptation of those skills to the production of works with a sound personal philosophical base.

The diploma is developed around ideas of integrated course experiences, reflecting contemporary notions of the arts practitioner as multidisciplined.

Working with industry

There is a strong connection to the art industry as staff are highly skilled, well regarded by industry, experienced, active in their own art practice and committed to teaching.

What you will study

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, work to a brief and have an understanding of the arts industry.

In year two, additional core units will be introduced which 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.

Career outlook

Graduates will possess the knowledge and confidence to make appropriate decisions regarding their future as self-employed art practitioners, as paid employees in the visual art and crafts industry, or as high level support staff in art-related industries.

Pathway

Graduates may apply for exemptions from the following degree:

» *Bachelor of Arts (Fine Art)*

Pathways are available for further study in areas of fine art, creative media, curatorial studies, art education, community arts, or arts therapy.

VISUAL MERCHANDISING



C5235 *Diploma of Visual Merchandising*
CRICOS code: 066842A

Duration: 2 years

www.rmit.edu.au/programs/c5235

CITY CAMPUS

This diploma will develop the knowledge and practical skills required to survive and see you flourish in the fast-paced world of visual merchandising. The program has a sharp commercial focus that nurtures and directs your creativity to meet the demanding and ever-changing expectations of the retail, exhibition and event industries.

The strengths of this program are the practical workshops and outstanding industry connections you will make.

You will graduate from 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 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 includes advanced display and design practice, photo-styling, work-integrated learning and industry projects. You will also 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 maintain an organisation's image, service and merchandise to its customers. You will work in retail stores, display production companies and promotional support studios. You can also work as a consultant or designer.

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

Graduates find employment in the following areas:

- » visual merchandising
- » retail design and display
- » photo-styling
- » store design
- » exhibition
- » 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).

Pathway

RMIT 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 (page 44)
- » Fashion and textile merchandising (associate degree) (page 44)

To view RMIT student works and galleries, visit www.rmit.edu.au/dsc

Minimum entry requirements

To look up the equivalent academic qualification for your country, go to page 164.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
C5230	<i>Diploma of Graphic Design</i>	Minimum 50% average	Completion of the Art, Design and Architecture stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 5.5 with no individual band below 5.0; or » TOEFL (Paper-based) minimum 530 with Test of Written English (TWE) no less than 3.5; or » TOEFL (iBT) minimum overall score of 71 with a minimum of 17 in all sections; or » Successful completion of REW Upper Intermediate program. 	A portfolio is required.*
C5218	<i>Diploma of Interactive Digital Media</i>				
C5233	<i>Diploma of Product Design</i>				
C4224	<i>Certificate IV in Photoimaging</i>				
C5228	<i>Diploma of Photoimaging</i>				
C5235	<i>Diploma of Visual Merchandising</i>				
C5252	<i>Diploma of Furniture Design and Technology</i>				
C5213	<i>Diploma of Textile Design and Development</i>				
C4158	<i>Certificate IV in Design</i>	Minimum 50% average	Completion of the Art, Design and Architecture stream or the Media and Communication stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 5.5 with no individual band below 5.0; or » TOEFL (Paper-based) minimum 530 with Test of Written English (TWE) no less than 3.5; or » TOEFL (iBT) minimum overall score of 71 with a minimum of 17 in all sections; or » Successful completion of REW Upper Intermediate program. 	—
C4278	<i>Certificate IV in Printing and Graphic Arts (Multimedia)</i>				
C5284	<i>Diploma of Printing and Graphic Arts (Multimedia)</i>				
C6087	<i>Advanced Diploma of Screen and Media</i>				
C5249	<i>Diploma of Interior Design and Decoration</i>				
AD013	<i>Associate Degree in Fashion and Textile Merchandising</i>	Minimum 50% average	Completion of the Business stream or the Art, Design and Architecture stream with a minimum 50% average for best four academic courses (subjects) and minimum 60% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.0 with no individual band below 5.5; or » TOEFL (Paper-based) minimum 550 with Test of Written English (TWE) no less than 4.0; or » TOEFL (iBT) minimum overall score of 79 with a minimum of 19 in all sections; or » Successful completion of REW Advanced program. 	This program includes a professional practice work placement and incurs additional costs.
AD007	<i>Associate Degree in Design (Furniture)</i>	Minimum 60% average	Completion of the Business stream or the Art, Design and Architecture stream with a minimum 60% average for best four academic courses (subjects) and minimum 60% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.0 with no individual band below 5.5; or » TOEFL (Paper-based) minimum 550 with Test of Written English (TWE) no less than 4.0; or » TOEFL (iBT) minimum overall score of 79 with a minimum of 19 in all sections; or » Successful completion of REW Advanced program. 	A portfolio of no larger than 10MB is required.*
BP123	<i>Bachelor of Applied Science (Textile Technology)</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	This program includes a professional practice work placement and incurs additional costs.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
BP201	<i>Bachelor of Arts (Fine Art)</i>	Minimum 70% average	Completion of the Art, Design and Architecture stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>A portfolio* is required.</p> <p>The July intake is only available to applicants with advanced standing.</p> <p>These programs incur additional costs.</p>
BP115	<i>Bachelor of Design (Communication Design)</i>				
BP194	<i>Bachelor of Design (Fashion)</i>				
BP195	<i>Bachelor of Design (Industrial Design)</i>				
BP203	<i>Bachelor of Arts (Animation and Interactive Media)</i>	Minimum 70% average	Completion of the Art, Design and Architecture stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>A portfolio* is required.</p> <p>The July intake is only available to applicants with advanced standing in the <i>Bachelor of Arts (Photography)</i> or the <i>Bachelor of Arts (Textile Design)</i>.</p> <p>These programs incur additional costs.</p>
BP117	<i>Bachelor of Arts (Photography)</i>				
BP196	<i>Bachelor of Design (Interior Design)</i>				
BP211	<i>Bachelor of Applied Science (Fashion Technology)</i>	The successful completion of the Diploma of Applied Fashion Design and Technology program or equivalent is a prerequisite for entry into the program.		<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>Applicants who are non-RMIT graduates are required to submit a portfolio.*</p>
BP212	<i>Bachelor of Applied Science (Fashion and Textile Merchandising)</i>	The successful completion of the Advanced Diploma of Fashion and Textiles Merchandising program or Associate Degree in Fashion and Textiles Merchandising program or equivalent is a prerequisite for entry into the program.			
BP153	<i>Bachelor of Design (Multimedia Systems)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>Higher Mathematics; VCE—Mathematical Methods or Specialist Mathematics.</p>

Note that entry requirements are indicative minimum requirements only.

*Generally, a portfolio presentation should comprise 15 to 30 pieces of your own personal work. Some disciplines have specific portfolio requirements (see above). Portfolios may be submitted in the form of a CD-ROM, preferably in PDF, JPEG, SWF, DCR or QuickTime format suitable to be read on Mac OSX or later. Colour hard copy folios may be acceptable for some disciplines. Electronic file sizes should be no larger than 10MB. The portfolio should contain a variety of your personal work in art, design or media which demonstrates your creative and conceptual and technical abilities. Pieces can include drawings, paintings, graphic designs, sculpture, video, scripting, short stories, and/or 2D and 3D Flash animation. We recommend you clearly annotate each work with supportive information that will assist the selection officer to understand the purpose and background of each piece. The CD must be attached in a separate folder and clearly labelled with name and contact details. Portfolios will not be returned.

If applying for ceramics, drawing, fine art, photography, gold and silversmithing, painting, printmaking or sculpture you are required to supply nine (9) colour photographs (no larger than A4) or a CD containing nine (9) images.

If applying for sound, you are required to supply a compiled selection of your work on either CD or DAT totalling no more than ten (10) minutes. CDs must contain audio files capable of being played directly through domestic CD players.

If applying for media arts, you are required to supply a compiled selection of work on either DVD or website URL totalling no more than ten (10) minutes. Scripts and storyboards should not be supplied, although they may be optionally presented at interview. Specific requirements for electronic media and collaborations are outlined on the website.

Supplementary forms, if required, are available on www.rmit.edu.au/programs/international/forms

OPEN UP A GLOBAL CAREER

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

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

- » business Plan Competition
- » participating in industry projects
- » six to 12 month industry placements
- » professional Skills Programs.

You have a wide choice of specialised business programs, and can combine specialist skills if you wish:

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

How high are you aiming?

'The RMIT *Bachelor of Business (Management)* provides the necessary tools to become a professional by combining theory with practice. The best things about this program are the Work Integrated Learning opportunities and solving real Australian business problems and being able to have a positive impact on them. I believe that every good idea has to be accompanied by inspiring management leaders and theory before it can be successful.'

**ANDREA GALLASTEGUI, MEXICO
BACHELOR OF BUSINESS (MANAGEMENT)**

ACCOUNTANCY

BP129 *Bachelor of Business (Professional Accountancy)*
CRICOS code: 062993G

Duration: 4 years

www.rmit.edu.au/programs/bp129

CITY CAMPUS

Accounting is the process of identifying, measuring, analysing and communicating economic information so people can make informed judgements and decisions. It involves recording, classifying, summarising and interpreting financial transactions and events, and is frequently used by lenders, managers, investors, tax authorities and other decision-makers.

Studying accounting gives you the tools to understand how and why key business decisions are made, and how to have input into those decisions.

This program provides stimulating and rigorous studies in the core areas of business and accountancy.

You will have opportunities to develop essential capabilities to operate successfully in contemporary business and multidisciplinary environments and to contribute to the future supply of professionally qualified and broadly trained accountants.

Working with industry

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.

The application of theoretical learning to a discipline-related work placement involves professional or vocational work which is supervised and assessed. Feedback from clients and others from industry and the community is integral to the experience. Your Work Integrated Learning (WIL) experience will be integrated with academic learning prior to the practicum as well as upon return.

What you will study

The degree consists of 24 taught courses (each of 12 credit points) and two semesters (96 credit points) of work-integrated learning.

In the first and second year, you will undertake eight common business core courses plus eight specialised accounting and law courses.

The third year involves a compulsory WIL component in the form of a cooperative education placement or professional skills program project.

In the final year, you will study three specialised accounting courses and five electives, of which at least one must be an accounting elective.

Classes are usually held between 8.30 am and 5 pm, Monday to Friday.

D 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 which ensures that the School's links with industry standards and international business practice remain current.

Global connections

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

Pathway

- » Graduates of the *Advanced Diploma of Accounting* with a distinction average will be guaranteed entry into the *Bachelor of Business (Professional Accountancy)* with 144 credit points advanced standing.
- » Graduates of the *Diploma of Commerce* with a distinction average will be guaranteed entry into the *Bachelor of Business (Professional Accountancy)* with 96 credit points advanced standing.
- » Graduates of the *Associate Degree in Business* with a credit average will be guaranteed entry into the *Bachelor of Business (Professional Accountancy)* with 144 credit points advanced standing.

You may also be interested in...

- » International business (pages 64–66)
- » Management (page 68)

ACCOUNTANCY

BP254 *Bachelor of Business (Accountancy)*
CRICOS code: 063095M

Duration: 3 years

www.rmit.edu.au/programs/bp254

CITY CAMPUS

Accounting is the process of identifying, measuring, analysing and communicating economic information so people can make informed judgements and decisions. It involves recording, classifying, summarising and interpreting financial transactions and events, and is frequently used by lenders, managers, investors, tax authorities and other decision-makers.

Studying accounting gives you the tools to understand how and why key business decisions are made, and how to have input into those decisions.

This program provides stimulating and rigorous studies in the core areas of business and accountancy.

You will have opportunities to develop essential capabilities to operate successfully in contemporary business and multidisciplinary environments and to contribute to the future supply of professionally qualified and broadly trained accountants.

Working with industry

As part of the program you will undertake specialist accounting work-integrated learning courses such as Cost Management and Applications and Strategic Decision Making for Accountants (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.

Legend: **D**—Degree program **AD**—Associate Degree program **T**—TAFE program

Academic and English language entry requirements are listed on page 71. Details on teaching methods and assessment can be found on page 14.

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, economics and finance and work integrated learning.

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.

Classes are usually held between 8.30 am and 5 pm, Monday to Friday.

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.

There are good job prospects both pre- and post-graduation. Results from the 2010 Australian Graduate survey[^] recorded that 26.8% of accounting graduates were in full-time employment in their final year of study and are still with that employer four months after graduation (compared to 15.7% of all graduates across all disciplines who responded to the survey), and out of all accounting degree graduates who were available for full-time employment, 79.1% were in full-time employment.

[^] Graduate Careers Australia, *Australian Graduate Survey 2010*

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 which ensures that the School’s links with industry standards and international business practice remain current.

Global connections

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

Pathway

- » Graduates of the *Advanced Diploma of Accounting* with a credit average will be guaranteed entry into the *Bachelor of Business (Accountancy)* with 144 credit points advanced standing.
- » Graduates of the *Diploma of Commerce* with a credit average will be guaranteed entry into the *Bachelor of Business (Accountancy)* with 96 credit points advanced standing.
- » Graduates of the *Associate Degree in Business* with a pass average will be guaranteed entry into the *Bachelor of Business (Accountancy)* with 144 credit points advanced standing.

You may also be interested in...

- » International business (pages 64–66)
- » Management (page 68)

ACCOUNTING



C4169 *Certificate IV in Financial Services (Accounting)*
CRICOS code: 069823B

Duration: 9 months
www.rmit.edu.au/programs/c4169

C5178 *Diploma of Accounting*
CRICOS code:069822C

Duration: 9 months
www.rmit.edu.au/programs/c5178

C6072 *Advanced Diploma of Accounting*
CRICOS code: 069821D

Duration: 6 months
www.rmit.edu.au/programs/c6072

CITY CAMPUS

Through RMIT’s accounting programs, you will gain knowledge and skills in general accounting and associated areas. By continuing studies through to the *Advanced Diploma of Accounting*, you will extend knowledge into more specialised accounting areas and study additional compulsory specialist courses.

The programs also provide training and qualifications for those already working in the accounting industry, allowing you to broaden your knowledge and career prospects and to improve your chances to further your studies to degree level if desired.

Working with industry

Industry practitioners are invited to speak to students on current issues of interest, providing an experienced perspective on study topics.

What you will study

High school graduates will typically apply for the certificate IV and complete the suite of three programs over two years.

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, and the use of technology, especially 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 and 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 employment in a variety of accounting and accounting-support roles or accounting technician positions (in all fields of industry and commerce, including financial institutions, retail stores and other businesses) with responsibilities for recording and compiling summaries of financial transactions of organisations for management purposes.

Advanced diploma graduates are eligible to become a qualified accountant. Further study is required to obtain Chartered Accountant (CA) or Certified Practising Accountant (CPA) status.

Accountants are either employed by commercial and industrial enterprises or in public accounting firms. Public accountants are often self-employed or work in partnership with other accountants.

Professional recognition

Certificate IV or diploma graduates meet the academic requirements for student membership to the Association of Accounting Technicians. You may become a student member of the Institute of Public Accountants while enrolled in the advanced diploma. Upon completion of the advanced diploma you can qualify for admission as an Associate of the Institute of Public Accountants (AIPA).

Global connections

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

Pathway

- » Students wishing to undertake the *Advanced Diploma of Accounting* must complete *Certificate IV in Financial Services (Accounting)* and the *Diploma of Accounting* before being granted entry into the *Advanced Diploma of Accounting*. The overall duration of this pathway is two years.
- » Graduates of the *Advanced Diploma of Accounting* with a credit average will be guaranteed entry into the *Bachelor of Business (Accountancy)* with 144 credit points advanced standing.
- » Graduates of the *Advanced Diploma of Accounting* with a distinction average will be guaranteed entry into the *Bachelor of Business (Professional Accountancy)* or *Bachelor of Business (Accountancy)* with 144 credit points advanced standing.

You may also be interested in...

- » Accountancy (page 59)
- » Management (page 68)
- » Professional accountancy (page 59)

BUSINESS

AD

AD010 *Associate Degree in Business*
CRICOS code: 068663K

Duration: 2 years

www.rmit.edu.au/programs/ad010

CITY CAMPUS

The *Associate Degree in Business* offers business studies at a higher education level.

The focus is on developing a range of business capabilities to help you relate your own skills and abilities to the needs of business and organisations.

English language and learning skills are developed throughout the program to prepare you for success in further studies at degree level.

Working with industry

You will have the opportunity to practise and expand your knowledge through a work-integrated learning course where you will take the theory you have learned and apply it in a workplace or in a simulated business environment.

The course industry project provides you with opportunities to apply and refine a range of professional skills, known to be highly regarded by employing organisations.

What you will study

The associate degree comprises 16 taught courses, including eight common business core courses in the first year. In second year, you will study specialised courses in management, one elective and undertake an industry project.

The prescribed management courses are: History of Management Thought, Leadership and Management, Organisational Theory, Employment Relations, Human Resource Management and Workplace Employment Relations.

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 connections

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

Pathway

Graduates of the *Diploma of Commerce* with a pass average will be guaranteed entry into the *Associate Degree in Business* with 96 credit points advanced standing.

Graduates of the *Associate Degree Business* with a pass average will be guaranteed entry into:

- » *Bachelor of Business (Management)* with 192 credit points advanced standing.
- » *Bachelor of Business (International Business)* with 192 credit points advanced standing.
- » *Bachelor of Business (Economics and Finance)* with 144 credit points advanced standing.
- » *Bachelor of Business (Accountancy)* with 144 credit points advanced standing.
- » *Bachelor of Business (Marketing)* with 132 credit points advanced standing.
- » *Bachelor of Business (Logistics and Supply Chain Management)* with 120 credit points advanced standing.
- » *Bachelor of Business (Entrepreneurship)* with 120 credit points advanced standing.

Graduates of the *Associate Degree Business* with a credit average will be guaranteed entry into any of the above degrees and:

- » *Bachelor of Business (International Business—Applied)* with 192 credit points advanced standing.
- » *Bachelor of Business (Professional Accountancy)* with 144 credit points advanced standing.
- » *Bachelor of Business (Economics and Finance—Applied)* 144 credit points advanced standing.
- » *Bachelor of Business (Marketing—Applied)* with 132 credit points advanced standing.
- » *Bachelor of Business (Business Information Systems)* with 132 credit points advanced standing.
- » *Bachelor of Business (Logistics and Supply Chain Management—Applied)* with 120 credit points advanced standing.

You may also be interested in...

- » Management (page 68)

BUSINESS INFORMATION SYSTEMS D

BP138 *Bachelor of Business (Business Information Systems)*
CRICOS code: 002664K

Duration: 4 years

www.rmit.edu.au/programs/bp138

CITY CAMPUS

Please refer to page 82 for program details.

COMMERCE

DP003 *Diploma of Commerce*
CRICOS code: 065386F

Duration: 1 year

www.rmit.edu.au/programs/dp003

CITY CAMPUS

The *Diploma of Commerce* provides an introduction to general business studies and allows graduates to articulate into any one of RMIT's undergraduate business programs. Concurrent studies in English are embedded into the business courses, allowing you to refine your skills in academic English and prepare you for success in further studies at degree level.

Working with industry

You will have the opportunity to practise and expand your knowledge and take the theory you have learned and apply it in a workplace or in a simulated business environment.

As part of the program you will:

- » Undertake and be assessed on a structured activity that allows you to learn, apply and demonstrate your professional or vocational practice.
- » Interact with industry and community when undertaking this activity and benefiting from feedback.
- » Complete an activity in a work context or situation that may include teamwork with other students from different disciplines.

As a result, you will have the chance to apply and refine a range of professional skills, known to be highly regarded by employing organisations.

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.

Pathway

- » Graduates of the *Diploma of Commerce* with a pass average will be guaranteed entry into the *Associate Degree in Business* with 96 credit points advanced standing.
- » Graduates of the *Diploma of Commerce* with a credit average will be guaranteed entry into any three-year *Bachelor of Business* degree with 96 credit points advanced standing.
- » Graduates of the *Diploma of Commerce* with a distinction average will be guaranteed entry into any three-year or four-year *Bachelor of Business* degree with 96 credit points advanced standing.

ECONOMICS AND FINANCE

BP134 *Bachelor of Business*
(*Economics and Finance*) (Applied)
CRICOS code: 063199C

Duration: 4 years

www.rmit.edu.au/programs/bp134

CITY CAMPUS

Economics is the study of choices and a dynamic discipline that is constantly evolving to help us understand how we allocate resources and why we allocate them as we do. It analyses real issues such as poverty, inflation, unemployment, taxes, pollution, crime, finance, inequality, international competition, consumer behaviour, world trade, and economic growth. The consequences of economic activity and forecasting affect our lives every day.

RMIT offers programs aimed at producing highly-specialised graduates in finance and economics. The philosophy underlying the program is that a rapidly changing world requires adaptable analytical skills. This degree provides the knowledge and skills required in the management of enterprises in both the public and private sectors. This involves both a broad-based multidisciplinary approach and the opportunity for focused, professional training in areas such as economics and finance.

This degree provides training to enable graduates to perform high-level financial and economic analysis, with options to study online, undertake an industry placement, study abroad with a focus on the European Union, and further specialise in areas such as financial planning or econometrics.

Working with industry

You 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 a number of work-integrated learning courses such as Investment and Risk Management.

What you will study

This four year degree comprises specialised economics and finance courses, business core studies, and general electives which enable you to pursue your own particular areas of interest.

You will undertake eight business common core courses, mainly in the first year. In second year, you will complete business common core studies and study specialised courses in the areas of financial planning, investment and financial market law, risk management, microeconomics, macroeconomics and quantitative analysis.

In the third year you undertake work-integrated learning in the form of the cooperative education placement in industry.

In the final year, you will study four specialised economics and finance courses and four electives.

Career outlook

An understanding of economics and finance is essential for employment in most business functions. There is a range of occupations available to graduates. The economics, finance and financial planning disciplines embedded in the degree prepare graduates for a broad spectrum of occupations ranging from banking, stockbroking, funds management, insurance and superannuation industries or in other private sector or government organisations where high level, technical expertise in financial or economic analysis is needed.

Past graduates have been employed in a wide range of roles including treasury dealer, stockbroker, business analyst, researcher, financial accountant, financial planner, corporate lending analyst, client service manager and financial software consultant.

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 connections

The School of Economics, Finance and Marketing offers study tours each year to France and Germany. 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, USA and Vietnam.

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

Pathway

- » Graduates of the *Diploma of Commerce* with a distinction average will be guaranteed entry into the *Bachelor of Business (Economics and Finance—Applied)* with 96 credit points advanced standing.
- » Graduates of the *Associate Degree in Business* with a credit average will be guaranteed entry into the *Bachelor of Business (Economics and Finance—Applied)* with 144 credit points advanced standing.

You may also be interested in...

- » Marketing (pages 69–70)
- » Statistics (page 159)

ECONOMICS AND FINANCE

D

BP251 *Bachelor of Business (Economics and Finance)*
CRICOS code: 063198D

Duration: 3 years

www.rmit.edu.au/programs/bp251

CITY CAMPUS

Economics is the study of choices and a dynamic discipline that is constantly evolving to help us understand how we allocate resources and why we allocate them as we do. It analyses real issues such as poverty, inflation, unemployment, taxes, pollution, crime, finance, inequality, international competition, consumer behaviour, world trade, and economic growth. The consequences of economic activity and forecasting affect our lives every day.

RMIT offers programs aimed at producing highly-specialised graduates in finance and economics. The philosophy underlying the program is that a rapidly changing world requires adaptable analytical skills.

This degree provides the knowledge and skills required in the management of enterprises in both the public and private sectors. This involves both a broad-based multidisciplinary approach and the opportunity for focused, professional training in areas such as economics and finance.

This degree provides training to enable graduates to perform high-level financial and economic analysis, with options to study online, undertake an industry placement, study abroad with a focus on the European Union, and further specialise in areas such as financial planning or econometrics.

Working with industry

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 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, students 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, marketing or work integrated learning.

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 the capability to apply these skills in multidisciplinary environments. This program provides opportunities for focused and professional training, preparing you for a range of occupations and industries, such as banking, stockbroking, funds management, insurance and superannuation, and in other private sector or 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 connections

The School of Economics, Finance and Marketing offers study tours each year to France and Germany. 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, USA and Vietnam.

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

Pathway

- » Graduates of the *Diploma of Commerce* with a credit average will be guaranteed entry into the *Bachelor of Business (Economics and Finance)* with 96 credit points advanced standing.
- » Graduates of the *Associate Degree in Business* with a pass average will be guaranteed entry into the *Bachelor of Business (Economics and Finance)* with 144 credit points advanced standing.

You may also be interested in...

- » Marketing (pages 69–70)
- » Statistics (page 159)

Legend: **D**—Degree program **AD**—Associate Degree program **T**—TAFE program

Academic and English language entry requirements are listed on page 71. Details on teaching methods and assessment can be found on page 14.

ENTREPRENEURSHIP

BP030 *Bachelor of Business (Entrepreneurship)*
CRICOS code: 037963K

Duration: 3 years
www.rmit.edu.au/programs/bp030
CITY CAMPUS

The *Bachelor of Business (Entrepreneurship)* is an innovative and market-leading program. It is one of the few degrees in Australia that enables you to develop a sound understanding of the entrepreneur’s approach. It combines theoretical and applied perspectives of business and entrepreneurship to develop vital managerial capabilities to succeed in today’s globally competitive and volatile business environment.

Developed in consultation with industry partners, alumni and current students, the degree develops your knowledge, enterprising capabilities, and confidence—attributes that will enable you to launch and manage new ventures, undertake business practices in firms with a high degree of competency, and manage and grow businesses using entrepreneurial techniques.

You will be exposed to the ideas and strategies of some of Australia’s newest and established entrepreneurs and work in teams to create and develop joint business venture concepts.

By the end of the program, graduates are expected to have honed the ability to think critically, to communicate effectively, and to analyse and understand multidisciplinary business practices in an entrepreneurial fashion.

Working with industry

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, entrepreneurship and work integrated learning.

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 armed with 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 connections

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, Thailand, the USA and Vietnam.

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

Pathway

- » Graduates of the *Diploma of Commerce* with a credit average will be guaranteed entry into the *Bachelor of Business (Entrepreneurship)* with 96 credit points advanced standing.
- » Graduates of the *Associate Degree in Business* with a pass average will be guaranteed entry into the *Bachelor of Business (Entrepreneurship)* with 120 credit points advanced standing.

You may also be interested in...

- » International business (pages 64–66)
- » Management (page 68)
- » Property (page 37)
- » Valuation (page 38)

INTERNATIONAL BUSINESS



BP027 *Bachelor of Business (International Business) (Applied)*
CRICOS code: 063197E

Duration: 4 years
www.rmit.edu.au/programs/bp027
CITY CAMPUS

In today’s increasingly global environment, an extensive understanding of the international business arena is key for corporations. The dissolving of trade barriers, the exponential expansion in the use of technologies and the rise of global corporations has meant that organisations are increasingly being forced to compete internationally.

RMIT’s popular international business degrees have been developed in conjunction with industry leaders to provide you with knowledge and skills to manage business complexity in international and multidisciplinary contexts. You will develop capabilities to identify the impact of international business activity and practice on economies and businesses, and analyse and interpret the complex nature of international business organisations.

This four-year program includes an opportunity for you to apply theoretical learning to a discipline-related work situation. Your work-integrated learning (WIL) experience will be integrated with academic learning prior to the placement as well as upon return.

Upon graduation you will be equipped with a solid background in business so you can function in any profit or non-profit business.

Working with industry

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.

The application of theoretical learning to a discipline-related work situation involves professional or vocational work which is supervised and assessed. Feedback from clients and others from industry and the community is integral to the experience

What you will study

You will undertake eight business common core courses in the first and second years, plus a combination of specialised international business courses and general electives. This is followed by a year of work-integrated learning in the form of a cooperative education placement or professional skills placement. In the final year, you will study two specialised international business courses and six electives.

A combination of eight specialised courses, four general electives and four business discipline electives are studied in the second and final years. To be eligible to graduate, you must study at least four electives from the same business discipline over those two years, for example, four electives in accounting, management, marketing and IT. The second sequence of (general) electives may be chosen from across the University and might include courses from business disciplines or a related area such as international studies.

The specialised international business courses undertaken mainly in the second and final years include studies in Asian cultural and business practices; logistics, supply chain management and international trade; global marketing; global political economics; and strategic management.

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 connections

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

Pathway

- » Graduates of the *Diploma of Commerce* with a distinction average will be guaranteed entry into the *Bachelor of Business (International Business—Applied)* with 96 credit points advanced standing.
- » Graduates of the *Associate Degree in Business* with a credit average will be guaranteed entry into the *Bachelor of Business (International Business)—Applied* with 192 credit points advanced standing.

You may also be interested in...

- » Economics and finance (page 63)
- » International studies (page 74)
- » Logistics and supply chain management (pages 66–67)
- » Management (page 68)
- » Marketing (pages 69–70)

INTERNATIONAL BUSINESS

D

BP253 *Bachelor of Business (International Business)*
CRICOS code: 063096K

Duration: 3 years

www.rmit.edu.au/programs/bp253

CITY CAMPUS

In today's increasingly global environment, an extensive understanding of the international business arena is key for corporations. The dissolving of trade barriers, the exponential expansion in the use of technologies and the rise of global corporations has meant that organisations are increasingly being forced to compete internationally.

RMIT's popular international business degrees have been developed in conjunction with industry leaders to provide you with knowledge and skills to manage business complexity in international and multidisciplinary contexts. You will develop capabilities to identify the impact of international business activity and practice on economies and businesses, and analyse and interpret the complex nature of international business organisations.

The three-year program offers you the opportunity to select a minor in another business discipline or you may want to pursue a foreign language minor or a set of international studies courses to enhance your knowledge and capabilities relevant to your prospective career.

Upon graduation you will be equipped with a solid background in business so you can function in any profit or non-profit business.

Working with industry

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 Management 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, international business and work integrated learning.

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 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 which ensures that the School's links with industry standards and international business practice remain current.

Global connections

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

Pathway

- » Graduates of the *Diploma of Commerce* with a credit average will be guaranteed entry into the *Bachelor of Business (International Business)* with 96 credit points advanced standing.
- » Graduates of the *Associate Degree in Business* with a pass average will be guaranteed entry into the *Bachelor of Business (International Business)* with 192 credit points advanced standing.

You may also be interested in...

- » Economics and finance (page 63)
- » International studies (page 74)
- » Logistics and supply chain management (pages 66–67)
- » Management (page 68)
- » Marketing (pages 69–70)

INTERNATIONAL BUSINESS T

C4222 *Certificate IV in International Trade*
CRICOS code: 070394G

Duration: 8 months
www.rmit.edu.au/programs/c4222

C5219 *Diploma of International Business*
CRICOS code: 070395G

Duration: 1.5 years
www.rmit.edu.au/programs/c5219

C6101 *Advanced Diploma of International Business*
CRICOS code: 072275K

Duration: 2 years
www.rmit.edu.au/programs/c6101

CITY CAMPUS

International business provides you with an understanding of the complex world of international trade: the exchange of goods and services between countries. It draws on a complex web of resources in manufacturing, marketing, finance and logistics, and involves both government and the private sector. It demands sensitivity to different cultures and other personal qualities, but brings with it a wealth of rewards.

These programs are suited to people currently employed in one of the many areas of international business and reflects ongoing industry input to provide the knowledge, training and vocational skills necessary to effectively compete in all sectors of international business at an operational and middle-management level.

Working with industry

This program will allow you to will work in groups to conduct a research project. The best project is entered into the national Austrade Tertiary Export Project Competition.

What you will study

High school graduates 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) provides support to the programs. The AIE encourages student membership and provides benefits to students undertaking this program.

Global connections

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.

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

You may also be interested in...

- » Entrepreneurship (page 64)
- » International business (pages 64–66)
- » Logistics and supply chain management (pages 66–67)
- » Marketing (pages 69–70)

LOGISTICS AND SUPPLY CHAIN MANAGEMENT D

BP143 *Bachelor of Business (Logistics and Supply Chain Management) (Applied)*
CRICOS code: 063203A

Duration: 4 years
www.rmit.edu.au/programs/bp143

CITY CAMPUS

The complex world of logistics, supply chain and trade industries is becoming increasingly specialised and challenging, with strong demand for graduates who are business savvy, sensitive to different cultures, and who have strong project management and negotiation skills.

Logistics and supply chain management involve purchasing, materials management, inventory control, warehousing, transport and distribution to provide the market with access to products and effectively manage end-user stakeholder expectations.

Graduates will be able to understand the interdependence of contemporary global and localised logistics and regional logistics issues, and be able to apply and adapt to manage business problems in the global market place.

The program is designed to prepare you for a professional career and to develop your confidence to tackle the evolving challenges of a rapidly globalised logistics and supply chain industry. Excellent opportunities exist both in Australia and overseas for well-trained professionals.

RMIT's logistics degrees provide graduates with an understanding of supply chain management specialisations with a strong emphasis on general business. By exercising leadership and business acumen in professional activities and business decisions, you will be equipped to make an immediate contribution to organisational objectives upon graduation.

Working with industry

In third year, you will have the opportunity to integrate work with learning activities. This work-integrated learning (WIL) component prepares you for future work by enabling you to progressively relate the skills and knowledge acquired during your studies in workplace or workplace-like learning situations. The focus is on developing your skills in a structured learning environment.

The first part of WIL enables you to build skills in a range of organisational communication practices such as presenting in management contexts, gathering and presenting data for decision making, and exploring personal goals through seminar discussions with visiting speakers from the business community.

The second part focuses on structured work experience hosted by an external organisation (cooperative education).

Your WIL experience will be integrated with academic learning prior to the practicum as well as upon return.

What you will study

This four year degree comprises a major stream and an elective stream selected from accounting, marketing, business management, and business information systems or operations management. The elective stream enables you to study a second business area in depth, and to develop skills and overall marketability allowing greater flexibility to choose alternative career paths as needs and opportunities change.

The first and second years provide an introduction to basic knowledge and skills required, including common business core courses, and more specialised courses in logistics and supply chain management.

In the third year, and subject to meeting certain academic criteria, you undertake a one-year cooperative education placement.

In the final year you will build on major and elective stream studies at a more advanced level.

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 will 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 the Chartered Institute of Logistics and Transport Australia, the Logistics Association of Australia, 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 completing the program, graduates will be eligible for graduate membership of the Chartered Institute of Logistics and Transport Australia (CILTA). CILTA is also part of a worldwide network, and the prestige associated with being a member of CILTA opens many more doors locally, nationally and internationally.

Another important industry association supporting the program is the Logistics Association of Australia. Many of the members of these associations provide employment opportunities for students during cooperative education.

If students complete the accounting elective stream, they will be eligible for associate membership of CPA Australia after the completion of additional courses.

www.cilta.com.au

www.laa.asn.au

www.cpaaustralia.com.au

Global connections

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 your degree. Destinations include Canada, China, France, Germany, Thailand, the USA and Vietnam.

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

Pathway

- » Graduates of the *Diploma of Commerce* with a distinction average will be guaranteed entry into the *Bachelor of Business (Logistics and Supply Chain Management—Applied)* with 96 credit points advanced standing.
- » Graduates of the *Associate Degree in Business* with a credit average will be guaranteed entry into *Bachelor of Business (Logistics and Supply Chain Management—Applied)* with 120 credit points advanced standing.

You may also be interested in...

- » International business (pages 64–66)
- » International trade (page 66)

LOGISTICS AND SUPPLY CHAIN MANAGEMENT D

BP255 *Bachelor of Business (Logistics and Supply Chain Management)*
CRICOS code: 063202B

Duration: 3 years

www.rmit.edu.au/programs/bp255

CITY CAMPUS

The complex world of logistics, supply chain and trade industries is becoming increasingly specialised and challenging, with strong demand for graduates who are business savvy, sensitive to different cultures, and who have strong project management and negotiation skills.

Logistics and supply chain management involve purchasing, materials management, inventory control, warehousing, transport and distribution to provide the market with access to products and effectively manage end-user stakeholder expectations.

Graduates will be able to understand the interdependence of contemporary global and localised logistics and regional logistics issues, and be able to apply and adapt to manage business problems in the global market place.

The program is designed to prepare you for a professional career and to develop your confidence to tackle the evolving challenges of a rapidly globalised logistics and supply chain industry. Excellent opportunities exist both in Australia and overseas for well-trained professionals.

RMIT's logistics degrees provide graduates with an understanding of supply chain management specialisations with a strong emphasis on general business. By exercising leadership and business acumen in professional activities and business decisions, you will be equipped to make an immediate contribution to organisational objectives upon graduation.

Working with industry

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 Advanced Supply Chain Management.

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 the capability 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, logistics and supply chain management, and work-integrated learning.

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 will 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 (CILT) in Australia. CILT 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 which ensures that the School's links with industry standards and international business practice remain current.

Global connections

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.

Pathway

- » Graduates of the *Diploma of Commerce* with a credit average will be guaranteed entry into the *Bachelor of Business (Logistics and Supply Chain Management)* with 96 credit points advanced standing.
- » Graduates of the *Associate Degree in Business* with a pass average will be guaranteed entry into *Bachelor of Business (Logistics and Supply Chain Management—Applied)* with 120 credit points advanced standing.

You may also be interested in...

- » International business (pages 64–66)

MANAGEMENT



BP217 *Bachelor of Business (Management)*
CRICOS code: 052377C

Duration: 3 years
www.rmit.edu.au/programs/bp217

CITY CAMPUS

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 and are expected to make business decisions against a backdrop of economic and social change, while relating global changes in markets and business activities to local needs.

A good manager will effectively coordinate a range of activities, process information to realise business outcomes, and resolve problems with well-considered solutions.

RMIT's Management degree provides a substantial and rigorous core of knowledge to provide you with the capabilities expected of managers in contemporary organisations. The ability to exercise strong ethical judgement, to work flexibly and effectively with those around you in a variety of organisational structures, and the ability to prioritise tasks, including financial, marketing and human resource aspects of an organisation, is essential.

Working with industry

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 Leadership and Managing Change (each 12 credit points).

Work-integrated learning opportunities help link your formal studies with workplace experience, develop 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 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, 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, management, and work-integrated learning.

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 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. Membership includes senior executives from a number of major national companies.

Global connections

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

Pathway

- » Graduates of the *Diploma of Commerce* with a credit average will be guaranteed entry into the *Bachelor of Business (Management)* with 96 credit points advanced standing.
- » Graduates of the *Associate Degree in Business* with a pass average will be guaranteed entry into either the *Bachelor of Business (Management)* with 192 credit points advanced standing.

You may also be interested in...

- » Accountancy (page 59)
- » Entrepreneurship (page 64)
- » Environmental science/management (page 126)
- » International business (pages 64–66)
- » Logistics and supply chain management (pages 66–67)
- » Aerospace engineering/management (page 97)
- » Chemical engineering/management (page 101)
- » Civil and infrastructure engineering/management (page 103)
- » Electrical engineering/management (page 110)
- » Mechanical engineering/management (page 117)

MARKETING

BP141 *Bachelor of Business (Marketing) (Applied)*
CRICOS code: 063201C

Duration: 4 years

www.rmit.edu.au/programs/bp141

CITY CAMPUS

Marketing involves identifying customer needs and wants, creating strategies for the development and design of goods and services, and making decisions about pricing, promotion and distribution.

Marketing is a dynamic and expanding area. Organisations recognise specialist knowledge and skills are needed to successfully market their products. Marketers need to be analytical, creative, flexible, enthusiastic and disciplined when approaching practical and theoretical problems.

The marketing degrees at RMIT are multidisciplinary and involve a broad range of business courses, including statistics, economics, accounting, business finance, computer applications, management and law, together with specialist marketing courses.

If you have that blend of creativity, enthusiasm, an analytical mind and a natural curiosity for what makes people tick and how to influence them, then a career in marketing is for you.

Working with industry

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.

The School has many links with industry which benefit students when undertaking discipline-related industry projects and ensure that our programs are industry-relevant.

Industry experts provide guest lectures to expose you to current marketing practice. The use of sessional lecturers also provides opportunities to engage with industry practitioners.

What you will study

This four-year degree has an emphasis on understanding both the theory and the practice of marketing.

You will undertake eight business common core courses in the first and second years. You will also study specialised marketing courses in the areas of buyer behaviour, marketing communication, business-to-business (B2B) marketing, service quality and sales.

In the third year you will undertake work-integrated learning in the form of a cooperative education placement or professional skills placement.

In the final year, you will study five specialised business and marketing courses and three electives. These 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 based around real organisations, business simulations, class presentations and in-depth class discussions. You will also develop generic business skills through working in teams.

Career outlook

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

Graduates may commence a marketing career in:

- » 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 which are relevant to career development. For further details:

www.ami.org.au

www.amsrs.com.au

Global connections

The School offers study tours each year to France and Germany. 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, USA and Vietnam.

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

Pathway

- » Graduates of the *Diploma of Commerce* with a distinction average will be guaranteed entry into the *Bachelor of Business (Marketing)—Applied* with 96 credit points advanced standing.
- » Graduates of the *Associate Degree in Business* with a credit average will be guaranteed entry into the *Bachelor of Business (Marketing)—Applied* with 132 credit points advanced standing.

You may also be interested in...

- » Advertising (page 144)
- » Professional communication (page 147)
- » Public relations (page 147)

MARKETING



BP252 *Bachelor of Business (Marketing)*
CRICOS code: 063200D

Duration: 3 years

www.rmit.edu.au/programs/bp252

CITY CAMPUS

Marketing involves identifying customer needs and wants, creating strategies for the development and design of goods and services, and making decisions about pricing, promotion and distribution.

Marketing is a dynamic and expanding area. Organisations recognise specialist knowledge and skills are needed to successfully market their products. Marketers need to be analytical, creative, flexible, enthusiastic and disciplined when approaching practical and theoretical problems.

The marketing degrees at RMIT are multidisciplinary and involve a broad range of business courses, including statistics, economics, accounting, business finance, computer applications, management and law, together with specialist marketing courses.

If you have that blend of creativity, enthusiasm, an analytical mind and a natural curiosity for what makes people tick and how to influence them, then a career in marketing is for you.

Working with industry

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.

The School of Economics, Finance and Marketing has many close links with industry which benefit students when they undertake discipline-related industry projects and ensure that our programs are 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 work integrated learning.

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 employment opportunities open to them in a range of small, medium and large organisations in the private and public sectors.

Graduates may commence a marketing career in:

- » 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)* may be eligible to become a member of the Australian Marketing Institute and the Australian Market and Social Research Society. Membership provides benefits which are relevant to career development. For further details:

www.ami.org.au

www.amsr.com.au

Global connections

The School offers study tours each year to France and Germany. 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, USA and Vietnam.

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

Pathway

- » Graduates of the *Diploma of Commerce* with a credit average will be guaranteed entry into the *Bachelor of Business (Marketing)* with 96 credit points advanced standing.
- » Graduates of the *Associate Degree in Business* with a pass average will be guaranteed entry into the *Bachelor of Business (Marketing)* with 132 credit points advanced standing.

You may also be interested in...

- » Advertising (page 144)
- » Professional communication (page 147)
- » Public relations (page 147)

STATISTICS



BP245 *Bachelor of Science (Statistics)*
CRICOS code: 058781J

Duration: 3 years

www.rmit.edu.au/programs/bp245

CITY CAMPUS

Please refer to page 159 for program details.

Minimum entry requirements

To look up the equivalent academic qualification for your country, go to page 164.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
C4169	<i>Certificate IV in Financial Services (Accounting)</i>	Minimum 50% average	Successful completion of any stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 5.5 with no individual band below 5.0; or » TOEFL (Paper-based) minimum 530 with Test of Written English (TWE) no less than 3.5; or » TOEFL (iBT) minimum overall score of 71 with a minimum of 17 in all sections; or » Successful completion of REW Upper Intermediate program. 	For the Accounting and International Business suite of programs, the successful completion of the Certificate IV program is a prerequisite for entry into the Diploma. The successful completion of the Diploma program is a prerequisite for entry into the Advanced Diploma program.
C5178	<i>Diploma of Accounting</i>				
C6072	<i>Advanced Diploma of Accounting</i>				
DP003	<i>Diploma of Commerce</i>				
C4222	<i>Certificate IV in International Trade</i>				
C5219	<i>Diploma of Business (International Business)</i>				
C6101	<i>Advanced Diploma of International Business</i>				
AD010	<i>Associate Degree in Business</i>	Minimum 60% average	Successful completion of any stream with a minimum 60% average for best four academic courses (subjects) and minimum 60% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.0 with no individual band below 5.5; or » TOEFL (Paper-based) minimum 550 with Test of Written English (TWE) no less than 4.0; or » TOEFL (iBT) minimum overall score of 79 with a minimum of 19 in all sections; or » Successful completion of REW Advanced program. 	—
BP254	<i>Bachelor of Business (Accountancy)</i>	Minimum 70% average	Successful completion of any stream with a minimum 70% average for best four academic courses (subjects) including prerequisite and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	BP251 <i>Bachelor of Business (Economics and Finance)</i> requires Mathematics.
BP251	<i>Bachelor of Business (Economics and Finance)</i>				
BP030	<i>Bachelor of Business (Entrepreneurship)</i>				
BP253	<i>Bachelor of Business (International Business)</i>				
BP255	<i>Bachelor of Business (Logistics and Supply Chain Management)</i>				
BP217	<i>Bachelor of Business (Management)</i>				
BP252	<i>Bachelor of Business (Marketing)</i>				
BP129	<i>Bachelor of Business (Professional Accountancy)</i>	Minimum 75% average	Successful completion of any stream with a minimum 75% average for best four academic courses (subjects) including prerequisite and minimum 75% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	BP134 <i>Bachelor of Business (Economics and Finance)—Applied</i> requires Mathematics.
BP138	<i>Bachelor of Business (Business Information Systems)</i>				
BP134	<i>Bachelor of Business (Economics and Finance) (Applied)</i>				
BP027	<i>Bachelor of Business (International Business) (Applied)</i>				
BP143	<i>Bachelor of Business (Logistics and Supply Chain Management) (Applied)</i>				
BP141	<i>Bachelor of Business (Marketing) (Applied)</i>				

Note that entry requirements are indicative minimum requirements only.

UNDERSTAND, INTERPRET AND INFLUENCE SOCIETY

An ageing population, new social policies, political tensions, rising consumer expectations and advances in technology are increasing demand for community service and social science professionals.

Work placements, field education and internship opportunities in many of the programs provide valuable hands-on experience and prepare you to enter a diverse and rewarding career.

A range of RMIT qualifications specifically address these emerging issues within the community.

Choose from programs in:

- » criminal justice administration
- » disability studies
- » global studies
- » languages
- » psychology—social science
- » social work
- » translating and interpreting
- » youth work.

Where will your passion lead?

'I have always recommended this program to others who asked for my opinion, because my teachers at RMIT were the most interesting, resourceful and dedicated staff ever! They have invaluable experiences to share from their work in the field.

'Lively classroom discussions were created and everyone's input was encouraged. Students were also presented with plenty of opportunities to practise, and to engage in real-life scenarios.'

MIKE YANG, CHINA

ADVANCED DIPLOMA OF TRANSLATING AND INTERPRETING

CRIMINAL JUSTICE ADMINISTRATION

D

BP023 *Bachelor of Arts*
(Criminal Justice Administration)
CRICOS code: 012347G

Duration: 3 years

www.rmit.edu.au/programs/bp023

CITY CAMPUS

Criminal justice administration at RMIT is at the cutting edge of the field, with a focus on preparing you for employment. Integral to your success will be the close links with criminal justice agencies that are built into the program design, development and delivery.

This degree has been developed in consultation with senior members of the Victorian judiciary, police (state and federal), Department of Justice, and the Department of Human Services Victoria. The program is highly regarded within the field.

This degree is popular among members of the police forces (state and federal), corrections, courts, customs and other agencies.

What you will study

You will study 17 core subjects and 6 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.

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.

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.

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, as well as security management; private security firms; researchers; 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...

- » Legal and dispute studies (page 76)
- » Psychology (page 140)

DISABILITY

D

BP019 *Bachelor of Applied Science (Disability)*
CRICOS code: 012343M

Duration: 3 years

www.rmit.edu.au/programs/bp019

BUNDOORA CAMPUS

Disability at RMIT is the only disability-specific degree offered in Victoria.

The disability studies program provides you with the professional education to offer leadership, innovation and quality service to community and disability-related groups who support people with disabilities.

Graduates work in diverse roles, from day-to-day support for people with disabilities, to advocacy, management and supervision. They are in high demand and can be employed as house supervisors, specialist workers, program managers, case managers, disability liaison officers, project officers or in other professional roles within the broader community and disability sectors.

You may specialise in the areas of disability access, support, management, policy planning, and behaviour analysis; recreation and leisure, in community, employment and/or residential settings; or in a number of other challenging and rewarding areas.

With further study you can pursue careers in a range of areas including education, nursing, social work, psychology and business.

Working with industry

Work placement is undertaken in each year of the degree. These placements will provide you with a broad perspective on a range of community groups that offer educational, accommodation, employment and recreational services to people with disabilities.

All students undertaking placements are required to have a clear, current police check at the beginning of each academic year and a Working with Children check upon commencement of the degree.

Representatives of the degree's Program Advisory Committee are all actively working in the disability industry, in agencies where students complete their work placement.

What you will study

Year one

The first year of the degree introduces you to disability studies and provides the foundation for further understanding about the sector. Areas covered include aetiology (causes) of disability, healthy living, psychology, communication and teamwork skills. Practical placements are a focus throughout each semester.

Year two

During the second year, you will focus on the interface between the individual's development and building community capacity and expand upon the knowledge gained in the first year. Courses cover services to people with a disability using a person-centred focus; community education and development; access and equity for those with disabilities; health issues of people with multiple disabilities; and psychology. You will also undertake practical placements throughout the year, implementing the skills learned in lectures and seminars.

Year three

The third year enables you to become an effective practitioner in the disability sector. A wide range of areas are covered, including dual disability; behaviour support; human relations; ethical and moral issues; and project work. Staff training, management, case management and working with people at risk are also studied in depth.

Career outlook

Graduates are employed in a range of areas in both government and non-government agencies. Positions range from case management, advocacy, and policy and planning through to recreation and leisure positions in community-based organisations.

Professional recognition

Students and Graduates are encouraged to join Disability Professionals Victoria (DPV) and/or the Australasian Society for Intellectual Disability (ASID).

www.asid.asn.au
www.dpv.org.au

You may also be interested in...

- » Education/disability (page 93)
- » Psychology (page 140)

INTERNATIONAL STUDIES



BP048 *Bachelor of Arts (International Studies)*
 CRICOS code: 031941J

Duration: 3 years

www.rmit.edu.au/programs/bp048

CITY CAMPUS

From policy making in China to community development in South America, graduates of International Studies at RMIT find a range of dynamic careers in the international and cross-cultural sector within international organisations, and government and non-government agencies. As Victoria's most distinctive and professionally oriented international studies degree, the program attracts local and international students with a passion for international affairs and cultural diversity who want to engage with a rapidly-changing global environment.

What you will study

International studies sequence

You will explore global-local interconnections through innovative, problem-based learning experiences. This includes studying global history, global political processes, international political economy, human mobility, international security, risk and global governance, and international human rights and law.

International work practice sequence

You will explore the intercultural and cross-cultural dimensions of international management, social research, public policy, and project management. You will also undertake an international internship for a minimum of two months and conduct an independent research project.

Language sequence

You will undertake specialist studies in languages other than English (choose from Chinese, French, German, Greek, Italian, Japanese, Spanish and others through cross-institutional enrolment), as well as courses on global language issues and professional communication. International students are able to choose professional English.

Elective sequence

You will choose to undertake specialised courses in areas such as diplomacy and security, international aid and development, justice, business, media and communications, public policy, environmental sustainability, community service and Indigenous studies

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 connections

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.

Pathway

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 *BA (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 (page 41)
- » International business (pages 64–66)
- » Interpreting (pages 74–75)
- » Translating (page 78)

INTERPRETING



C5291 *Diploma of Interpreting*
 CRICOS code: 074235B

Duration: 0.5 year

www.rmit.edu.au/programs/c5291

CITY CAMPUS

Interpreters provide a critical link in facilitating communication between speakers who do not share a common language.

As a result of globalisation, contact between people from different language backgrounds has increased, highlighting the need for interpreting services.

The *Diploma of Interpreting* is the first step on the way to professional practice. Through the diploma, you will gain basic oral transfer skills in general settings, and professional and contextual aspects in various interpreting settings, including elective units in legal and medical knowledge and terminology. The program is approved by the National Accreditation Authority for Translators and Interpreters (NAATI). Students who complete the program and achieve the level of competency required by NAATI will be recommended to NAATI for accreditation at the paraprofessional level.

Most teaching/learning activities and assessment tasks are practical. The focus is on developing the necessary basic interpreting skills to work as an interpreter in general settings.

The diploma is best suited to those who are proficient in bilingual communication. It is also an excellent preparatory training program for those interested in further studies in the advanced diploma program, but who do not yet possess the requisite level of advanced bilingual proficiency and general knowledge required.

RMIT has approval from NAATI to offer a range of languages, including AUSLAN. These languages are offered on the basis of student demand and upon advice from the Program Advisory Committee.

Working with industry

Although there is no formal work placement in this program, some assessment tasks are designed to encourage students to visit workplaces/settings such as community organisations, public service departments/agencies where interpreters are expected to work.

What you will study

Students will be introduced to the profession of interpreting and led to explore various contextual areas that interpreters work in. They 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, students will practise their interpreting skills, while also gaining an appreciation of professional ethics and industry knowledge that is essential to their future career.

Teaching methods

Classes are interactive and give students many opportunities to discuss ideas and practise skills. Students will participate in class learning activities including: analysis of case studies and scenarios, role plays, group discussions and pair work, 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 such as quizzes, questions and answers, writing assessment reports, reflective journals
- » delivery of presentations
- » practical demonstrations
- » role plays.

Additional costs

Students may be asked to purchase recommended reading/study material, approximately AU\$100 – AU\$500.

Career outlook

This qualification may increase your employment/promotion prospects in multilingual community/public service agencies, international organisations and companies.

Professional recognition

The 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 accreditation at the paraprofessional level.

Pathway

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.

You may also be interested in...

- » International studies (page 74)
- » Interpreting (advanced diploma) (page 75)
- » Translating (page 78)

INTERPRETING



C6111 *Advanced Diploma of Interpreting*
CRICOS code: 074233D

Duration: 0.5 year

www.rmit.edu.au/programs/c6111

CITY CAMPUS

Interpreting is a critical service in order to facilitate communication in a range of cross-cultural communication settings. The demand for independent and competent professional interpreters is increasing, mainly due to high levels of interaction between people and cultures as a result of globalised economies and advanced technology. Interpreters are employed in a range of settings from public service delivery to high level international negotiations between governments.

The 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 accreditation at the professional level.

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, including AUSLAN. These languages are offered on the basis of student demand and upon advice from the Program Advisory Committee.

Working with industry

In order to fulfil 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 interpreting, and will be provided opportunities to explore various contextual areas that are relevant to professional interpreters. You will be taught skills essential to undertake interpreting in complex settings, including theoretical approaches, discourse management strategies in various domains, interpreting via communication media, interpreting as part of a team and professional practice issues.

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, 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 such as 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 freelancer 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 NAATI at the professional level. If 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.

Pathway

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*

Graduates who already have a bachelor's degree and who have met the entry requirement of the *Master of Social Science (Translating and Interpreting Studies)* program will be eligible to apply for an exemption of up to one semester.

You may also be interested in...

- » International studies (page 74)
- » Translating (page 78)

LEGAL AND DISPUTE STUDIES D

BP204 *Bachelor of Social Science (Legal and Dispute Studies)*
CRICOS code: 052088A

Duration: 3 years
www.rmit.edu.au/programs/bp204
CITY CAMPUS

Are you interested in understanding the law and justice system? Do you want to know the foundation and framework as to why laws are created?

The *Bachelor of Social Science (Legal and Dispute Studies)* locates the study of the law in its broadest social and political context and focuses upon how the law actually works within Australia and globally.

Consider the law from the perspective of sociology, politics, policy and social psychology and the mechanisms for change in our legal system. Discover the growing significance of human rights in legal practice, government, business and the community.

Justice, legal issues and public policy are studied within the social and political context. You will develop knowledge and skills in legal problem solving, alternative dispute resolution, mediation and policy analysis.

Graduates of this program are reflective, aware and ethical practitioners who interpret justice, legal and policy material with the highest standards of critical analysis.

What you will study

The degree consists of three complementary areas of study:

- » social science as relevant to legal studies
- » legal and justice studies
- » field education—internship.

Areas of legal practice such as family law, welfare law, civil procedure, and alternative dispute resolution, including mediation, are covered in detail. Electives in criminal law, commercial law and juvenile justice can be taken.

Year one

You will acquire a comprehensive understanding of the sociology of law, an introduction to important areas of the law (such as contract law, criminal law, torts and property law) and relevant social science theory as it applies to the justice system and law in the community.

Year two

You will develop a solid legal grounding in family law, welfare law, alternative dispute resolution and international human rights. You will study critical debates relating to how society responds to social issues including substance abuse, criminality and imprisonment.

Year three

You will develop a solid legal grounding in civil procedure and in understanding conflict and mediation. You will also acquire organisational skills and have the experience of a relevant field placement. You will acquire the necessary knowledge and skills to perform paralegal duties and understand policy processes in the legal and justice system.

Career outlook

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, or 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.

Global connections

Study abroad is available for which you can gain credit towards your degree. You can also take advantage of a number of international study tour opportunities.

You may also be interested in...

- » Criminal justice administration (page 73)
- » International studies (page 74)

PSYCHOLOGY (SOCIAL SCIENCE) D

BP112 *Bachelor of Social Science (Psychology)*
CRICOS code: 035023D

Duration: 3 years
www.rmit.edu.au/programs/bp112
CITY CAMPUS

Psychology is a science that provides powerful tools and methods for exploring human experience and behaviour.

Psychologists work in areas as varied as the provision of support for individuals right through to the design and implementation of policies and campaigns affecting the lives of thousands.

RMIT's *Bachelor of Social Science (Psychology)* degree provides a program that uses methods and insights in both psychology and the social sciences. This interdisciplinary training opens up flexible career pathways. These pathways are suitable for students who hope to qualify for further training as clinical psychologists, as well as those who would like to apply their background in psychology and sociology to fields as varied as education and training, health and welfare, and human resource management.

More flexible than a standard, single-disciplinary degree, this interdisciplinary program offers students the opportunity to use elective sequences to specialise in a wide range of fields, within and beyond psychology.

The program also incorporates an extended industry-based field placement through which students can gain hands-on, practical experience with a professional organisation of their choice.

Working with industry

Along with being 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 service 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.

What you will study

This degree is based in the social sciences with a comprehensive psychology specialisation, comprising 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. Here students 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. Students 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.

Professional recognition

The degree is accredited by the professional accreditation body for tertiary psychology courses, the Australian Psychology Accreditation Council (APAC). Successful completion of an APAC-accredited psychology specialisation is a partial requirement for registration as a psychologist with the Psychology Board of Australia.

Pathway

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...

- » Psychology (applied science) (page 140)
- » Social work (page 78)

SOCIAL WORK/PSYCHOLOGY D

BP113 *Bachelor of Social Work/
Bachelor of Social Science
(Psychology)*
CRICOS code: 042603C

Duration: 5 years

www.rmit.edu.au/programs/bp113

CITY CAMPUS

The RMIT *Bachelor of Social Work* and the *Bachelor of Social Science (Psychology)* already enjoy high levels of respect and popularity in their own right. However, there is a demand in the human service industry for a qualification that combines elements of both of these degrees. Social workers and psychologists often work side by side in organisations where a 'balancing act' of expertise is required from both areas.

What you will study

Year one

The double degree has a foundation in the social sciences, psychology and social work. Politics, sociology, social theory and economics are core courses shared with students from other degrees, such as global studies and planning.

Year two

You will develop a solid grounding in the theory and practice of social work, as well as cognitive and developmental psychology.

Years three to five

These years expand on the knowledge learned in years one and two, with the opportunity to take elective courses.

Field education

You will work in human service organisations under the supervision of a qualified social worker. As well as gaining practical experience, field education allows you to develop networks and career opportunities, as well as employment outcomes in your chosen area of interest, including:

- » community development projects
- » program and organisational development
- » evaluation
- » research
- » policy development and analysis
- » health.

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 service 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 (page 140)
- » Social work (page 78)

SOCIAL WORK

BP026 *Bachelor of Social Work*
CRICOS code: 012363G

Duration: 4 years

www.rmit.edu.au/programs/bp026

CITY CAMPUS

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 77.

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 service organisations for supervised practice. There are some opportunities for interstate and international placements in your final placement.
- » 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.

D

Career outlook

Graduates are highly employable, both within Australia and overseas, in human service organisations, community-based agencies, various levels of government, and increasingly in corporate and private enterprise. Sometimes positions have other titles such as community worker, counsellor advocate, case manager or child protection officer

You may also be interested in...

- » Psychology (page 140)
- » Youth work (page 79)

TRANSLATING

T

C6109 *Advanced Diploma of Translating*
CRICOS code: 074234C

Duration: 0.5 year

www.rmit.edu.au/programs/c6109

CITY CAMPUS

Translating is the written transfer of meaning from one language into another, and it has been practised as a profession for hundreds of years. It has become more significant in recent times due to expanded interaction between people and cultures as a result of increasingly globalised economies and advanced technology. Documents crucial to diplomacy, communication, and the transfer of knowledge and culture throughout the world, must be translated by professionals, and these professionals have now become key personnel for governments and communities. In multicultural societies, translators also play a key role in the successful social inclusion of migrant communities by translating essential government and community service information. The program is approved by the National Accreditation Authority for Translators and Interpreters (NAATI). Students who successfully complete the program and achieve the levels of competency in the units prescribed by NAATI will be recommended to NAATI for accreditation at the professional level.

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.

Working with industry

In order to fulfil 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.

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, 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 such as 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 freelancer 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 NAATI at the professional level. If 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 Translator accreditation.

Pathway

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 74)
- » Interpreting (advanced diploma) (page 75)

YOUTH WORK



BP191 *Bachelor of Social Science (Youth Work)**
CRICOS code: 050982J

Duration: 3 years

www.rmit.edu.au/programs/bp191

* This program is under review, please refer to the above website for updates to the program

CITY CAMPUS

Youth work is about realising justice for young people. It entails securing young people's wellbeing while recognising their moral status as human beings, their associated rights, entitlements and obligations. Youth work is a practice that takes place in various sites such as local governments, NGOs (health, welfare and correctional agencies), educational institutions and state, federal and international organisations (e.g. UNESCO, UN).

Good youth work is also concerned with working towards securing environments in which all young people can realise individual and collective capabilities and thrive intellectually, physically and creatively as human beings. Youth work involves identifying the different needs young people have for resources if they are to thrive and prosper, including choice about whether to accept or decline those opportunities.

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...

- » Social work (page 78)
- » Youth work (page 79)

Minimum entry requirements

To look up the equivalent academic qualification for your country, go to page 164.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
C5291	<i>Diploma of Interpreting</i>	Minimum 50% average	Completion of the Media and Communication stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.0 with no individual band below 5.5; or » TOEFL (Paper-based) minimum 550 with Test of Written English (TWE) no less than 4.0; or » TOEFL (iBT) minimum overall score of 79 with a minimum of 19 in all sections; or » Successful completion of REW Advanced program. 	<p>Applicants must be at least 18 years of age on 1 January of the year of the application.</p> <p>Applicants are also required to take a bilingual intake test*.</p>
C6111	<i>Advanced Diploma of Interpreting</i>				
C6109	<i>Advanced Diploma of Translating</i>				
BP023	<i>Bachelor of Arts (Criminal Justice Administration)</i>	Minimum 70% average	Completion of the Media and Communication stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>An interview may be required.</p>
BP048	<i>Bachelor of Arts (International Studies)</i>				
BP204	<i>Bachelor of Social Science (Legal and Dispute Studies)</i>				
BP191	<i>Bachelor of Social Science (Youth Work)</i>				
BP112	<i>Bachelor of Social Science (Psychology)</i>	Minimum 70% average	Completion of the Media and Communication stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>All applicants are required to submit a 400–500 word essay detailing their understanding of the program, and their personal goals on its completion.</p> <p>Applicants may also be required to attend an interview.</p>
BP113	<i>Bachelor of Social Work and Bachelor of Social Science (Psychology)</i>				
BP026	<i>Bachelor of Social Work</i>	Minimum 70% average	Completion of the Media and Communication stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>All applicants are required to submit a personal statement.</p>
BP019	<i>Bachelor of Applied Science (Disability)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>Students must complete a National Police Records Check before undertaking the practical components of this course.</p>

Note that entry requirements are indicative minimum requirements only.

The bilingual test is available on www.rmit.edu.au/programs/international/forms



THE RIGHT SKILLS AT THE RIGHT TIME

As a university of 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 computer science programs are developed in collaboration with major computing and IT companies, so you gain the skills and knowledge that employers truly value.

Our 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.

Will your fascination advance the future of technology?

'The program I am taking has a very interesting structure. Not only do I learn about different aspects of IT, but also how they are being applied and used in the real business world. My future goal is to be part of the stock market coordination/management teams.'

**SENG SOULIGNA, LAO PEOPLE'S DEMOCRATIC REPUBLIC
BACHELOR OF INFORMATION TECHNOLOGY (BUSINESS APPLICATIONS)**

BUSINESS INFORMATION SYSTEMS D

BP138 *Bachelor of Business
(Business Information Systems)*
CRICOS code: 002664K

Duration: 4 years

www.rmit.edu.au/programs/bp138

CITY CAMPUS

This program is designed to meet the growing needs of today's business world by delivering a new type of information technology professional who merges IT skills with business knowledge.

Upon completion of your final year, you will have worked in multi-skilled teams and be able to analyse, design and build a sophisticated business information system and use state-of-the-art methodologies, tools, hardware and software.

By combining studies in IT and business, and with the added confidence and practical experience obtained through an industry placement, graduates are expected to be able to develop and manage business information systems in a wide range of settings, including the public and private sectors.

Working with industry

You have the opportunity to integrate work with learning activities through the cooperative education program—a compulsory industry placement undertaken during third year. In business information systems, over 90% of students who conscientiously search for cooperative placements gain appropriate IT employment and earn about two-thirds of a graduate salary.

What you will study

The degree consists of three main components: general business core studies, business information systems core studies, and electives.

In first and second years, you will undertake six business common core courses. At the same time, you will complete specialised business information systems core courses. As part of your second year, you will also take a course which will prepare you for your industry placement.

The major focus of the first two years is on developing knowledge and skills in analysing and designing systems, developing applications, and configuring networks and operating systems.

In the third year you undertake work-integrated learning in the form of the cooperative education placement in industry.

In the final year, two business information systems courses and a capstone project course provide advanced studies in IS development, IS strategy and IT project management. These courses are supported by two additional business core courses and three electives.

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/analyst, 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 Society 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 connections

Globalisation and business study tours are offered annually and can be credited towards your degree. These two-week intensive study programs introduce you to a range of issues relating to business globalisation within a specific regional context. Study tour destinations include Canada, China, France, Germany, Thailand, USA and Vietnam.

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

This program is also offered at RMIT Vietnam.

Pathway

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

- » *Diploma of Information Technology (General)*: eight courses (up to one year)
- » *Associate Degree in Business*: 11 courses

COMPUTER SCIENCE D

BP094 *Bachelor of Computer Science
(Application Programming)*
CRICOS code: 061072A

BP094 *Bachelor of Computer Science
(Computational Mathematics)*
CRICOS code: 061073M

BP094 *Bachelor of Computer Science
(Embedded Systems)*
CRICOS code: 061079E

BP094 *Bachelor of Computer Science
(Games, Graphics and Digital Media)*
CRICOS code: 061086F

BP094 *Bachelor of Computer Science
(Security)*
CRICOS code: 061077G

BP094 *Bachelor of Computer Science
(Web Systems)*
CRICOS code: 061078F

Duration: 3 years

www.rmit.edu.au/programs/bp094

CITY CAMPUS

With a *Bachelor of Computer Science* you will possess the practical and theoretical skills to build innovative software applications, such as those that drive iPods, Facebook, intelligent robots and more.

You will graduate with excellent programming skills and be capable of designing, implementing and maintaining complex software systems.

By charting your own major direction of study you can graduate with a specialist computer science degree explicitly listing your chosen major. Specialisations include: application programming; computational mathematics; embedded systems; games, graphics and digital media; security or web systems.

Working with industry

A study option in the final year is to undertake an industrial internship (one-semester) or a practical project (one-semester). By taking the internship you will gain experience in the software development industry, applying the theory studied in your degree. With the practical project you will experience larger scale software development. Alternatively, your internship can be linked to an RMIT research project in information storage, analysis and retrieval; distributed software engineering architecture; distributed systems and networking; or intelligent systems.

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.

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.

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.

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.

Other options

If you prefer an alternative to specialising in a major study area, you should select one of the following options:

- » **Internship option:** This option gives you an opportunity to undertake a one-semester internship.
- » **Project option:** This option involves taking on a one-semester project.
- » **Electives option:** This option allows you to 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; 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...

- » Database systems (page 84)
- » Games and graphics programming (page 84)
- » Information technology (pages 85–86)
- » Network computing (page 87)
- » Software engineering (page 88)

COMPUTING STUDIES

BP232 *Bachelor of Technology (Computing Studies)*
CRICOS code: 058731G

Duration: 3 years

www.rmit.edu.au/programs/bp232

CITY CAMPUS

Research indicates that many employers want graduates with computing skills as well as knowledge and skills across many 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.

This degree is composed 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, design and more.

Working with industry

The degree is flexible to allow you to undertake an internship in year three and gain hands-on industry experience.

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.

Pathway

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 (pages 85–86)

Legend: **D**—Degree program **AD**—Associate Degree program **T**—TAFE program

Academic and English language entry requirements are listed on page 89–90. Details on teaching methods and assessment can be found on page 14.

COMPUTER AND NETWORK ENGINEERING/ COMPUTER SCIENCE D

BP002 *Bachelor of Engineering (Computer and Network Engineering)/ Bachelor of Computer Science*
CRICOS code: 067852B

Duration: 5 years

www.rmit.edu.au/programs/bp002

CITY CAMPUS

Please refer to page 105 for program details.

DATABASE SYSTEMS D

BP268 *Bachelor of Computer Science (Database Systems)*
CRICOS code: 071868D

Duration: 4 years

www.rmit.edu.au/programs/bp268

CITY CAMPUS

Businesses and organisations from all sectors produce, use and exchange more information than ever before, which requires highly skilled data specialists to ensure that this data is efficiently stored, easily searchable and effectively mined.

This new industry-oriented degree will provide you with the skills needed to design, implement and maintain complex database systems, and to reliably extract and interpret relevant information from data warehouses.

The unique four-year study program brings together theoretical and algorithmic computer science foundations with cutting edge practical data skills that reflect the latest developments in database systems.

Graduating with highly developed practical, analytical and programming skills, you will be perfectly placed to take advantage of new career opportunities in a rapidly changing IT environment.

Working with industry

In year three you spend an internship year in industry, according to your area of interest, which could include: database and web application programming, database design and implementation, database administration, data warehousing and data analysis, and enterprise content management.

It is common for students on internship placements to receive a salary. Alternatively students can switch to a career in research and development.

What you will study

The program includes mostly core courses in the first two years covering database systems programming, software engineering, web programming, data communications, computing theory, and statistics.

In year three you can choose to gain industry experience through work placement. Alternatively, if you gain a CGPA of 3.0 or higher, you can choose to follow a pathway into research and development via the *Bachelor of Computer Science (Database Systems) Honours* program.

Year four gives you an opportunity to undertake a major project and select advanced elective courses in your area of specialisation. Advanced database courses will enable the acquisition of a solid knowledge base upon which to build advanced real-life database systems.

Honours

Upon successful completion of the degree, you may apply for admission to the computer science honours degree.

Career outlook

Ongoing advances in data and information technology mean graduates of this degree will be among the most sought after of the next generation of computer scientists, equipped to occupy a variety of roles such as:

- » **Database administrator**—supervises database design, development, testing, and maintenance.
- » **Data analyst/miner**—extracts hidden trends and meanings from data, often in a wide range of profiling practices, such as marketing, surveillance, fraud detection and scientific discovery.
- » **Database application developer**—constructs specialised software to extract information and intelligently present this for a range of users and uses.
- » **Data quality specialist**—creates and manages procedures to ensure information is correct, reliable and relevant.
- » **Data storage professional**—consults about the appropriate hardware and associated software required to efficiently store and retrieve data.
- » **Enterprise content manager**—responsible for strategies, methods and tools used to capture, manage, store, preserve, and deliver content and documents related to organisational processes.
- » **Information/data architect**—able to creatively fashion the information structure of an organisation.

Professional recognition

As this is a new degree, accreditation is still being sought from the Australian Computer Society (ACS), which has reciprocal membership agreements worldwide.

You may also be interested in...

- » Computer science (page 82)
- » Information technology (pages 85–86)
- » Network computing (page 87)
- » Software engineering (page 88)

ELECTRONIC AND COMMUNICATION ENGINEERING/ COMPUTER SCIENCE D

BP004 *Bachelor of Engineering (Electronic and Communication Engineering)/ Bachelor of Computer Science*
CRICOS code: 067849G

Duration: 5 years

www.rmit.edu.au/programs/bp004

CITY CAMPUS

Please refer to page 113 for program details.

GAMES AND GRAPHICS PROGRAMMING D

BP215 *Bachelor of Information Technology (Games and Graphics Programming)*
CRICOS code: 061071B

Duration: 3 years

www.rmit.edu.au/programs/bp215

CITY CAMPUS

Gain a head start in your games career with the only fully integrated games degree in Australia, providing a learning experience that uniquely mirrors the games industry workplace.

Games and graphics programming is delivered in the context of IT and design framework. The course provides specialised skills, knowledge and theory for the development of creative vision and expression in digital art, games graphics design and digital graphics programming.

In three dedicated computer labs, built to replicate industry conditions, you will work with games design and digital art students in tightly integrated teams, developing computer games and graphics software in a studio environment just like the real thing.

A truly industry-focused, multidisciplinary degree that instils industry best practice through what you study, how you study and where you study.

Working with industry

You will work on interactive media projects together with students from the design programs. Working in a multidisciplinary environment creates a setting that closely follows the games development process in the industry.

Internships with games companies are also encouraged to give students real industry experience.

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—both through 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.

Teaching methods

For most subjects assessments involve group work and assignments only. 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.

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 modellers, games programmers, graphics programmers, interface designers, and digital artists.

You may also be interested in...

- » Computer science (page 82)
- » Information technology (pages 85–86)
- » Multimedia systems (design) (page 87)

INFORMATION TECHNOLOGY D

BP162APP8 *Bachelor of Information Technology (Application Programming)*
CRICOS code: 061097C

BP162BA8 *Bachelor of Information Technology (Business Applications)*
CRICOS code: 061088D

BP162MUL8 *Bachelor of Information Technology (Multimedia Design)*
CRICOS code: 061102M

BP162NET8 *Bachelor of Information Technology (Network Programming)*
CRICOS code: 061089C

BP162SYS8 *Bachelor of Information Technology (System Administration)*
CRICOS code: 061095E

BP162WEB8 *Bachelor of Information Technology (Web Systems)*
CRICOS code: 061098B

Duration: 3 years
www.rmit.edu.au/programs/bp162

CITY CAMPUS

Want to support and troubleshoot IT systems? To design websites, business applications and program networks?

Studying one of our information technology majors will give you the skills to do all this and more, with organisations ranging from business and government to schools and health care.

Combining your knowledge of IT theory and practice with hands-on expertise, you will be able to develop an organisation's technology infrastructure and support the people who use it.

You will typically be responsible for selecting and implementing software products as part of your role creating and managing business applications, websites, systems and software.

The *Bachelor of Information Technology* degree allows you to combine a specialist IT major with minor study in another field.

Working with industry

You may choose to undertake a semester internship or a semester project in your final year, in place of a minor study area.

RMIT will assist with your industry placement for your internship semester. You generally receive a salary from the industry company, although the payment is a by-product and not the main aim.

The final year projects are undertaken on-campus, administered by the virtual company Your Software. Almost all projects are group projects, which involve four to five students per group, and are done in conjunction with postgraduate students.

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 also choose two specialisation courses plus one of the following options: two minor stream courses, or two second major courses, or two IT electives.

Year three

You will study two student electives; two IT electives; two specialisation courses; and two minor courses, or second major courses, or IT electives.

Honours

Upon successful completion of the degree, you may apply for admission to the computer science honours degree.

Legend: D—Degree program AD—Associate Degree program T—TAFE program

Academic and English language entry requirements are listed on page 89–90. Details on teaching methods and assessment can be found on page 14.

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, or diverse industries including retail, health or tourism as well as government departments and large computer organisations.

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.

Pathway

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 82)
- » Computing studies (page 83)
- » Database systems (page 84)
- » Games and graphics programming (page 84)
- » Multimedia systems (design) (page 87)
- » Network computing (page 87)

INFORMATION TECHNOLOGY AD

AD006 *Associate Degree in Information Technology*
CRICOS code: 071307D

Duration: 2 years
www.rmit.edu.au/programs/ad006

CITY CAMPUS

The *Associate Degree in Information Technology* will develop the knowledge and technical skills essential for 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.

The interactive teaching and learning environment offers a learner-centred curriculum that encourages more engagement and participation than the traditional lecture style.

You will be required to solve hardware and software problems and laboratory work will be a major component of the associate degree.

You will 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.

Learning activities focus on practical application of technical skills and an assessment program that includes the assessment of technical competence both in practice and theory.

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. You develop a broad-based range of skills in:

- » computer hardware
- » databases
- » human computer interaction
- » networking
- » operating systems administration
- » programming
- » web computing.

In first year, 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.

In second year, you have the opportunity to complete the vocational training for Cisco Certified Networking Professional courses.

Career outlook

This qualification provides the skills and knowledge for an individual 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.

Pathway

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 82)
- » Computing studies (page 83)
- » Information technology (degree) (page 85)

MULTIMEDIA SYSTEMS (DESIGN) D

BP153 *Bachelor of Design
(Multimedia Systems)*
CRICOS code: 040966C

Duration: 4 years

www.rmit.edu.au/programs/bp153

CITY CAMPUS

Working in multimedia and developing multimedia products and systems requires a wide range of skills in design, programming, hardware and business.

The multidisciplinary degree gives you the opportunity to gain all of these skills and experience the multimedia work environment through the team-oriented study mode.

The degree provides you with the necessary technical knowledge and skills to develop multimedia products and systems, as well as the communication and organisational skills to work as members of multimedia teams.

Working with industry

The degree has been designed to include multimedia work practices throughout, culminating in the fourth year one-semester work placement. On your return to university study, this experience then forms the basis of reporting and reflection, further preparing you for the workplace.

What you will study

The first two years of the degree enable you to gain a solid grounding in a broad range of multimedia skills. There are foundation courses in design, computer science and programming, business entrepreneurship, and multimedia hardware. During this period you discover your strengths and preferences, which assists you to select your area of specialisation.

The third and fourth years provide you with the opportunity for advanced study in your chosen specialisation. You will also develop interpersonal skills, such as teamwork and leadership.

The fourth year has a strong employment focus with one semester (six months) of work placement. The work placement experience is continued into the second semester through reporting and reflection, further preparing you for the workplace.

Honours

Appropriately qualified students can articulate into the computer science honours program.

Teaching methods

This program aims to mirror multimedia work practices, which means that study includes teamwork with other students from different disciplines. Classes are taught 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.

Career outlook

Graduates work in many areas of the multimedia industry, including graphic design, video and CD production, film special effects, animation, website development, e-commerce and games development. They also work for large companies, such as banks and insurance companies, or as entrepreneurs in the many niche markets in web and graphic design.

You may also be interested in...

- » Animation and interactive media (page 41)
- » Computer science (page 82)
- » Games and graphics programming (page 84)
- » Information technology (pages 85–86)

NETWORK COMPUTING D

BP269 *Bachelor of Computer Science
(Network Computing)*

Duration: 4 years

www.rmit.edu.au/programs/bp269

CITY CAMPUS

Increasingly, business and consumers connect with each other through exciting and more powerful network application software, such as video chat, Facebook, Twitter and much more.

A new industry of both wired and wireless networking applications is now using quicker and better networked systems. This new degree is a response to the need for specialist software developers whose skills are honed to create those new applications for decades to come.

You will gain the skills to design, implement and maintain complex and adaptable network computing-based software systems and address this emerging industry niche. You will also have the option to continue your studies towards a research degree.

Working with industry

During year three, you will gain industry experience by undertaking a placement in your chosen area of interest. Fourth year advanced networking courses will enable the acquisition of a solid knowledge base upon which to build advanced real-life network-based computing applications.

What you will study

This program includes core courses in programming, data communication and networks, mobile computing, network administration, network applications, network computing, network design, network measurements, network programming, network security, network technology, wide area networks, wireless network security, wireless networking, and operating systems.

During third year you will undertake a one-year placement, gaining industry experience.

In fourth year you will undertake a major project as well as advanced networking courses.

Honours

Upon successful completion of the degree, you may apply for admission to the computer science honours degree.

Career outlook

Studying this emerging niche field can lead to diverse roles, including:

- » **Networked application developer**—writes software that performs computer-mediated communication as in Facebook or mySpace.
- » **Network system integrator**—specialises in putting together networking software components from different vendors.
- » **Storage area networking professional**—implements the type of cloud storage systems used by companies such as Google and Apple.
- » **Wireless (sensor, RFID) applications developer**—creates applications to harness the tagging and identifying of mobile objects, such as store merchandise, postal packages and living organisms.
- » **Network administrator**—ensures that the network is up and running to the required specifications.
- » **Network security professional**—analyses and protects an organisation's network from potential intrusion.
- » **Secured network applications developer**—ensures that software released on mobile networks and the like do not introduce security holes that make private individuals or organisations' private information vulnerable.

Professional recognition

As this is a new degree, accreditation is still being sought from the Australian Computer Society (ACS), which has reciprocal membership agreements worldwide.

You may also be interested in...

- » Computer science (page 82)
- » Information technology (pages 85–86)
- » Software engineering (page 88)

SOFTWARE ENGINEERING



BP096 *Bachelor of Software Engineering*
CRICOS code: 071875E

Duration: 4 years
CRICOS code: 061069G

www.rmit.edu.au/programs/bp096

CITY CAMPUS

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 recordkeeping and payroll, or develop an intranet, 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.

Working with industry

There is an internship program in year three. This experience proves especially useful when returning to tackle 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.

The industry placement in the third year provides valuable practical experience in a work setting. This industry experience is then integrated within your studies when you return for your fourth and final year.

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 82)
- » Information technology (pages 85–86)

Minimum entry requirements

To look up the equivalent academic qualification for your country, go to page 164.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
AD006	<i>Associate Degree in Information Technology</i>	Minimum 50% average	Completion of the Science, Engineering and Technology stream with a minimum 50% average for best four academic courses (subjects) and minimum 60% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.0 with no individual band below 5.5; or » TOEFL (Paper-based) minimum 550 with Test of Written English (TWE) no less than 4.0; or » TOEFL (iBT) minimum overall score of 79 with a minimum of 19 in all sections; or » Successful completion of REW Advanced program. 	Mathematics; VCE—Mathematics (any)
BP138	<i>Bachelor of Business (Business Information Systems)</i>	Minimum 75% average	Successful completion of any stream with a minimum 75% average for best four academic courses (subjects) and minimum 75% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	—
BP002	<i>Bachelor of Engineering (Computer and Network Engineering)/ Bachelor of Computer Science</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics; VCE—Mathematical Methods (CAS) or Specialist Mathematics
BP004	<i>Bachelor of Engineering (Electronic and Communication Engineering)/ Bachelor of Computer Science</i>				
BP094B	<i>Bachelor of Computer Science (Application Programming)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics; VCE—Mathematical Methods (CAS) or Specialist Mathematics
BP094C	<i>Bachelor of Computer Science (Computational Mathematics)</i>				
BP094D	<i>Bachelor of Computer Science (Embedded Systems)</i>				
BP094E	<i>Bachelor of Computer Science (Games, Graphics and Digital Media)</i>				
BP094F	<i>Bachelor of Computer Science (Network Programming)</i>				
BP094G	<i>Bachelor of Computer Science (Security)</i>				
BP094H	<i>Bachelor of Computer Science (System Administration)</i>				
BP094I	<i>Bachelor of Computer Science (Web Systems)</i>				

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
BP268	<i>Bachelor of Computer Science (Database Systems)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics; VCE—Mathematical Methods (CAS) or Specialist Mathematics
BP269	<i>Bachelor of Computer Science (Network Computing)</i>				
BP215	<i>Bachelor of Information Technology (Games and Graphics Programming)</i>				
BP096	<i>Bachelor of Software Engineering</i>				
BP232	<i>Bachelor of Technology (Computing Studies)</i>	Minimum 65% average	Completion of any stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Successful completion of REW Advanced Plus program. 	—
BP162	<i>Bachelor of Information Technology (Application Programming)</i> <i>Bachelor of Information Technology (Business Applications)</i> <i>Bachelor of Information Technology (Multimedia Design)</i> <i>Bachelor of Information Technology (Network Programming)</i> <i>Bachelor of Information Technology (System Administration)</i> <i>Bachelor of Information Technology (Web Systems)</i>	Minimum 65% average	Completion of the Business; Science, Engineering and Technology; or Property and Construction Management stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Mathematics
BP153	<i>Bachelor of Design (Multimedia Systems)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics; VCE—One of Mathematical Methods (CAS) or Specialist Mathematics

Note that entry requirements are indicative minimum requirements only.



OPEN MINDS INSPIRE THOUGHT BREAK MOULDS

An RMIT qualification will equip you with the knowledge, skills and confidence to create a fulfilling career within this increasingly-diverse profession.

Teacher training includes practical classroom experience teaching early childhood, primary and secondary students in government and independent schools where you will involve yourself in all aspects of the teaching cycle.

Last year education and training students 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.

Will you leave a lasting legacy for your students?

'I want to make positive changes and help children to learn and develop in every aspect of their lives. RMIT provides opportunities to gain professional experience right from the start; working with other teachers and physically being in a school environment has exposed me to different teaching and learning methods. I think that the integration of theory and practice is vital for this profession.'

**ROTEM GAM, ISRAEL
BACHELOR OF EDUCATION**

EDUCATION (EARLY CHILDHOOD) D

BP260 *Bachelor of Education (Early Childhood Education)*
CRICOS code: 067623D

Duration: 3 years

www.rmit.edu.au/programs/bp260

BUNDOORA CAMPUS

Early childhood education in Australia is in an exciting phase with new initiatives and diverse services emerging. An early childhood degree from RMIT enables graduates to teach in both local and international settings. This degree provides a professional teaching qualification to work in all early childhood settings.

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 drawing on both Australian and international research in the field. The programming 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.

The degree includes professional practice experiences working with children from birth to two years, and with children from three to five years in a range of contexts.

Teaching methods

Classes are taught in a combination of lecture, seminar, tutorial and workshop.

Assessment

Assessment is ongoing throughout the semester and may include essays/reports, oral class presentations, group projects, research projects and practice-based assignments.

Career outlook

With new government initiatives to increase provision of early childhood services, there are many exciting career paths open. As a four-year trained teacher you can work as a teacher or director in a variety of settings, including childcare, kindergarten pre-prep and integrated services. There are also related early childhood positions in local councils and public organisations. 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.

EDUCATION (PRIMARY) D

BP046 *Bachelor of Education*
CRICOS code: 019469G

Duration: 4 years

www.rmit.edu.au/programs/bp046

BUNDOORA CAMPUS

The *Bachelor of Education* prepares primary teachers for the demands of twenty-first century learning and teaching. There is a growing need for highly-trained and skilled educators whose qualifications are globally transferable.

The program provides students with hands-on experiences, reflecting the program's practical approach to teaching. As a result students are exposed to rich and engaging tasks that are directly linked to the profession.

The *Bachelor of Education*, while preparing students as generalist primary educators, 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 students are required to study four **elective courses** throughout their 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 from the *Bachelor of Education* 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 of the *Bachelor of Education* 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 ART EXPERTISE) D

BP258 *Bachelor of Education*
Duration: 4 years
CRICOS code: 065388D

www.rmit.edu.au/programs/bp258

BRUNSWICK CAMPUS

The *Bachelor of Education* prepares primary teachers for the twenty-first century.

Education at RMIT's Brunswick campus provides a unique opportunity for you to draw upon the expertise of the arts areas of the City and Brunswick campuses, with electives from these areas embedded in the degree.

You can choose printmaking, painting, drawing, textiles, graphic design, multimedia, short story writing, photography and cinema. Alternatively, you can choose electives from the education area in Bundoora that include early childhood, physical education, middle years, information communication technology (ICT) and languages other than English (LOTE).

Working with industry

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 connections

Students have opportunity 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) D

BP249 *Bachelor of Education/
Bachelor of Applied Science (Disability)*
CRICOS code: 060827D

Duration: 4 years
www.rmit.edu.au/programs/bp249

BUNDOORA CAMPUS

The *Bachelor of Education/Bachelor of Applied Science (Disability)* double degree provides a professional qualification in education and disability studies. It covers the skills and knowledge essential for successful education of children with special needs.

This double degree develops your knowledge, skills and capabilities to work proactively with people with disabilities, with their families and with other professionals in educational and community service settings. These settings include primary schools, special schools, special developmental schools, private enterprise, government agencies and community service organisations.

Students and graduates from this program typically display especially high levels of compassion and care towards those in our community with special needs.

Full-time students attend lectures and tutorials during the day. Some classes may extend into the evening. Work-integrated learning in education and disability studies adds approximately 15 days per semester and is undertaken in relevant workplace settings.

What you will study

In addition to the four key components of the *Bachelor of Education* (see page 92), 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.

Career outlook

Through further study, graduates can enter other careers, including social work or youth work.

You may also be interested in...

- » Education (primary) (page 92)
- » Education (primary and art expertise) (page 92)
- » Physical education (page 93)
- » Disability (page 73)
- » Social work (page 78)
- » Youth work (page 79)

PHYSICAL EDUCATION D

BP041 *Bachelor of Applied Science
(Physical Education)*
CRICOS code: 012346G

Duration: 4 years
www.rmit.edu.au/programs/bp041

BUNDOORA CAMPUS

This degree prepares you for a career as a specialist physical education teacher. Your responsibilities may include coaching, health and fitness promotion, and sport education for school and community-based groups.

During the degree 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.

Physical education at RMIT is the only degree in Victoria that offers teaching practice in each semester of the four-year degree. You will experience teaching primary and secondary students in government and independent schools, as well as having the opportunity to teach students with disabilities.

In addition to an understanding of the exercise sciences and their influence and effects on human performance, you will gain an understanding of the professional role of physical educators and their contribution to school and community needs.

The degree fosters a positive attitude towards a healthy lifestyle and a willingness to develop these attitudes in the school and the community.

Working with industry

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.

Year one

You will be introduced to the principles of teaching physical and applied exercise sciences and complete in-depth studies in the foundation areas of human structure and function (anatomy and physiology). You will also teach students with a disability.

Year two

During year two you will consolidate your study of exercise sciences in areas including exercise physiology and kinesiology. You will begin studying your second teaching method, which may include biology, health or maths. Knowledge in health-related physical activity and practice is emphasised.

Years three and four

You will further consolidate your knowledge of exercise sciences with studies in biomechanics, applied exercise physiology, nutrition and motor learning and control. You will also need to complete an AUSTSWIM and first aid qualification.

As a fourth year student, you will mentor first year students in their teaching. This is of great benefit to both first and fourth year students.

Career outlook

Strong employment opportunities exist in the following areas:

- » government secondary colleges
 - » independent schools
 - » primary school physical education specialists.
- Additional employment opportunities exist in:
- » tertiary institutions
 - » fitness, leisure and recreation centres
 - » fitness advisers (sporting teams)
 - » fitness consultancies (private and government)
 - » private companies who contract with schools to deliver physical education and sport
 - » sport coaching
 - » sport management.

Over the past five years 95+ per cent of students seeking employment as a teacher have been successful within six months of graduation.

Professional recognition

The *Bachelor of Applied Science (Physical Education)* is accredited by the Victorian Institute of Teaching.

Global connections

At the start of the final year, you will have the opportunity to complete a teaching experience in a secondary college in Singapore.

You also 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.

You may also be interested in...

- » Biomedical science (page 131)
- » Exercise and sport science (page 133)

Minimum entry requirements

To look up the equivalent academic qualification for your country, go to page 164.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
BP046	<i>Bachelor of Education</i>	Minimum 70% average	Achievement of a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites, preferably in the Science, Engineering and Technology stream.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Applicants must have passed Mathematics at either the Australian Year 11 or 12 levels. This program includes a professional practice work placement. A Working With Children Check is required prior to commencing the program. Applicants who do not achieve the required minimum average may be considered for entry at the discretion of the School. An interview may be required.
BP258	<i>Bachelor of Education</i>				
BP260	<i>Bachelor of Education (Early Childhood Education)</i>				
BP249	<i>Bachelor of Education/ Bachelor of Applied Science (Disability)</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » Equivalent TOEFL; or » Successful completion of REW Advanced Plus program. 	Applicants must have passed Mathematics at either the Australian Year 11 or 12 levels. This program includes a professional practice work placement. A Working With Children Check is required prior to commencing the program. An interview may be required.
BP041	<i>Bachelor of Applied Science (Physical Education)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.		

Note that entry requirements are indicative minimum requirements only.



IMPROVE THE WAY THE WORLD FUNCTIONS

As an engineer you will be solving complex problems and finding ways to turn scientific discoveries into practical applications.

RMIT's wide range of specialised programs allows you to focus your skills in the area that interests you most:

- » aerospace and aviation
- » automotive and mechanical engineering
- » chemical engineering
- » civil engineering
- » computer and network engineering
- » electrical engineering
- » electronic and communication engineering
- » environmental engineering
- » mechatronics and manufacturing engineering
- » surveying and spatial information.

All RMIT programs are work relevant and recognised by local and international industry leaders. Engineering degrees include 12 weeks of compulsory industry experience.

You may also have the opportunity to take part in RMIT's International Industry Experience and Research Program, which offers students the chance to work with some of the world's leading companies in North America and Europe.

How will you improve the world we live in?

'I've always wanted a challenging career and not just a nine-to-five job, and aviation seemed to be ideal.

'I chose RMIT because it is ranked among the best universities in Melbourne for engineering, and the aviation degree is really well structured.

'A highlight of my studies so far has been researching my own project on the Emirates Airlines route network and product strategies from a global perspective.'

**JAMUNA BOODHRAM, MAURITIUS
BACHELOR OF APPLIED SCIENCE (AVIATION)**

ADVANCED MANUFACTURING MECHATRONICS

BP013 *Bachelor of Engineering (Advanced Manufacturing and Mechatronics)*
CRICOS code: 064713D

Duration: 4 years

Years one and two are conducted at the City campus and years three and four are conducted at the Bundoora campuses.

www.rmit.edu.au/programs/bp013

CITY AND BUNDOORA CAMPUSES

Are you interested in developing robots and high-speed automated machines? As a manufacturing and mechatronics engineer, you will work in many industries, including the automotive, aerospace, marine, food and beverage, logistics, mining and service industries. You will be at the heart of designing systems and equipment that turn raw materials into finished products.

Mechatronics is a multidisciplinary engineering area that involves mechanical, hydraulic, pneumatic, electrical, electronics, computer systems and information technology.

Manufacturing engineering examines the development and planning of processes and equipment. Mechatronics engineering involves the development of hardware such as robots and high-speed automated machines to carry out the plan.

The advanced manufacturing and mechatronics engineering degree specialises in all aspects of advanced manufacturing processes, from system design and quality control to the actual building of automatic systems. You will be able to design and build manufacturing systems that are environmentally sustainable while also meeting customer needs.

Working with industry

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 in which professional engineers are involved. This not only provides the opportunity for you to gain academic credit, but also valuable paid industrial experience, which may lead to an industry-linked final year project or even full-time employment. You can apply to join companies within Australia or overseas. 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 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.

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 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, workshop, studio, 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 connections

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 99)
- » Mechanical engineering (pages 115–116)

AEROSPACE ENGINEERING

BP069 *Bachelor of Engineering (Aerospace Engineering)*
CRICOS code: 006597F

Duration: 4 years

www.rmit.edu.au/programs/bp069

CITY AND BUNDOORA CAMPUSES

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, requiring talented, creative and highly motivated people. Those considering the aerospace engineering degree need well-developed skills in mathematics and physical sciences, as aerospace is a highly analytical field of engineering. In addition, you must have excellent communication skills.

The aerospace industry in Australia is international and export-oriented. The emphasis is firmly on value-added design and manufacture activities that are internationally competitive and that make effective use of RMIT's excellent standard of aerospace education.

The degree equips you 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, while generating innovative engineering concepts.

Working with industry

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 program.

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. Specific aerospace focus commences in the first semester of the program.

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.

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 Aerostructures 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 connections

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. Students will gain credit points for their studies, and include: elementary Chinese, aerodynamics, experimental aerodynamics; project: design of aircraft; course: design of aircraft, optimisation design of structures.

Pathway

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 (page 97)
- » Aviation (page 99)

AEROSPACE ENGINEERING/ MANAGEMENT

D

BP071 *Bachelor of Engineering (Aerospace Engineering)/
Bachelor of Business (Management)*
CRICOS code: 054160D

Duration: 5 years

Years one and two are conducted on the City campus and years three to five are shared between the City and the Bundoora campuses. The management component is studied on the City campus for all five years.

www.rmit.edu.au/programs/bp071

CITY AND BUNDOORA CAMPUSES

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 leading 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.

Working with industry

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 program.

Students will also have the opportunity to work with industry leaders on real-world projects in their final year 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 work 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 Aerostructures 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.washingtonaccord.org www.ahri.com.au www.cpaaustralia.com.au

Global connections

RMIT has an agreement with NUAA (Nanjing University of Aeronautics and Astronautics, China) on an aerospace engineering students exchange program.

You may also be interested in...

- » Aerospace engineering (page 96)
- » Aviation (page 99)

APPLIED CHEMISTRY/ CHEMICAL ENGINEERING



BP225 *Bachelor of Science (Applied Chemistry)/Bachelor of Engineering (Chemical Engineering)*
CRICOS code: 055827B

Duration: 5 years

www.rmit.edu.au/programs/bp225

CITY CAMPUS

This program combines studies in applied chemistry and chemical engineering and gives you the skills to help deliver processes that could change the world.

The program includes in-depth studies in chemistry and analytical science, along with the full range of chemical engineering courses that will put you at the forefront of developing new and established technologies.

Why double-up?

As a graduate with a multidisciplinary qualification you will be highly employable, as you will have a better understanding of the requirements of team members from both specialties. You will interact with a wide range of relevant industries and broaden your career prospects.

Working with industry

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 students 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, typically in the areas of oil and gas, food, biotechnology, pharmaceuticals, agricultural chemicals and polymers. In the process design sector, RMIT graduates typically 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...

- » Applied chemistry/management (page 153)
- » Chemical engineering/biotechnology (page 101)
- » Chemical engineering/management (page 101)
- » Environmental science/management (page 126)
- » Food technology and nutrition/chemical engineering (page 114)

AUTOMOTIVE ENGINEERING

D

BP067 *Bachelor of Engineering (Automotive Engineering)*
CRICOS code: 037958G

Duration: 4 years

www.rmit.edu.au/programs/bp067

CITY AND BUNDOORA CAMPUSES

Automotive engineering is the application of principles drawn from the sciences in order to develop economical and sustainable automotive designs or to solve automotive problems. Encompassing complete car design, automotive engineering is global in scope and increasingly environmental in outlook. The industry generates and applies new technologies (e.g. full-electric, hybrid power trains and fuel cells) for the betterment of society. The degree has resulted from demands from the industry and students. It builds on a core program of mechanical engineering and offers specialist courses that enable a graduate to be immediately industry ready. Reflecting the increasing interaction between industry and higher education, you may also have the opportunity to take a one-year paid industrial placement with associated academic credit.

Working with industry

You may choose to undertake paid work in industry during your studies, either in Australia or overseas. You will gain valuable industrial experience, and a potential full-time job upon completion of the degree. RMIT will help you to find placements. 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

Tackle 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

Understand the nature of sound, effectively document human non-linear response to sound, understand the automotive body structure design for improved noise and vibration, and characterise relationship between noise and vibration. Appreciate the difference between structure-borne and air-borne sources.

Career outlook

Future vehicles will have extremely low or zero emissions, use less fossil-based fuels and be characterised by low levels of noise and vibration. Advanced computer aided engineering (CAE) will further assist automotive engineers to optimise their design for lighter and higher performance cars. Vehicles will feature advanced smart sensors and smart materials to offer higher levels of passenger safety and comfort.

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 connections

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.

Pathway

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 (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 (pages 115–116)
- » Mechanical engineering/management (page 117)

AVIATION

D

BP070 *Bachelor of Applied Science (Aviation)*
CRICOS code: 022041J

Duration: 3 years

www.rmit.edu.au/programs/bp070

CITY CAMPUS

Aviation is a dynamic and vibrant global industry which underpins enormous commercial and social benefits. The aviation industry is highly competitive and needs well-trained individuals capable of working effectively within a rapidly changing environment.

RMIT has been involved in aerospace and aviation education and training for over 60 years. RMIT's suite of aerospace and aviation programs produces graduates who are equipped to be effective in their chosen industry across a wide range of roles and levels. RMIT graduates continue to be highly employable.

The *Bachelor of Applied Science (Aviation)* degree is designed to prepare you for employment in a range of operational management and planning roles within the aviation industry. These include airline operations management, airport landside operations, airport airside operations, airport planning, aviation safety management, airline maintenance management and supervision.

The degree offers a career development option for commercial pilots. You will gain a broad awareness of the aviation industry and a range of analytical skills that will enable you to work with a comprehensive appreciation of the operating environment for this special industry. As a graduate, you will be able to demonstrate breadth and depth of thinking to be able to solve problems in the aviation industry workplace.

Working with industry

In the first year of the program, industry-based professionals deliver guest lectures that are designed to enhance the students' 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.
- » 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 business
- » aviation consulting
- » aviation regulation and safety.

You may also be interested in...

- » Aerospace engineering (page 96)
- » Aerospace engineering/management (page 97)

CHEMICAL ENGINEERING

BP049 *Bachelor of Engineering (Chemical Engineering)*
CRICOS code: 002707D

Duration: 4 years

www.rmit.edu.au/programs/bp049

CITY CAMPUS

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 well being, 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.

Working with industry

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.

The first year of the program further develops students' skills in chemistry and mathematics, and introduces you to the biochemistry fundamentals of chemical engineering (mass and energy balance) and to design of chemical processes.

D

The second year of the program develops your knowledge on core chemical engineering areas such as fluid flow, reaction engineering, thermodynamics, and heat transfer.

The third year of the program develops your skills in environmental, safety and economic analysis of processes, design of process equipment and control schemes.

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 be also 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 which have been designed to develop your generic skills such as teamwork, project management, sustainability analysis, and communication.

Career outlook

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.

Approximately half of all graduates will hold senior management positions at some stage in their careers.

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 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 connections

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 98)
- » Chemical engineering/biotechnology (page 101)
- » Chemical engineering/management (page 101)
- » Food technology and nutrition/chemical engineering (page 114)

CHEMICAL ENGINEERING/ BIOTECHNOLOGY

D

BP159 *Bachelor of Engineering (Chemical Engineering)/
Bachelor of Science (Biotechnology)*
CRICOS code: 040057G

Duration: 5 years

Year one is conducted on the City campus and years two to five are shared between the City and the Bundoora campuses.

www.rmit.edu.au/programs/bp159

CITY AND 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. Chemical engineers also make the processing industries work more efficiently and minimise their environmental impact by using less energy and producing less waste.

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 agrichemicals.

Working with industry

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.

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.

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 connections

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 98)
- » Biotechnology (page 154)
- » Chemical engineering (page 100)
- » Chemical engineering/management (page 101)
- » Food technology and nutrition/chemical engineering (page 114)

CHEMICAL ENGINEERING/ MANAGEMENT

D

BP052 *Bachelor of Engineering (Chemical Engineering)/
Bachelor of Business (Management)*
CRICOS code: 012949C

Duration: 5 years

www.rmit.edu.au/programs/bp052

CITY CAMPUS

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. RMIT 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. (For more information on chemical engineering please see page 100).

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, allowing you to progress into positions of responsibility and influence. A business degree will prepare you to operate in a complex financial system normally found in large engineering projects.

Working with industry

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.

Legend: D—Degree program AD—Associate Degree program T—TAFE program

Academic and English language entry requirements are listed on page 119–120. Details on teaching methods and assessment can be found on page 14.

What you will study

Building on the sciences of chemistry and mathematics you will develop skills in the fundamentals of chemical engineering.

You will be also 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 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/polymers; 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 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 connections

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 98)
- » Chemical engineering (page 100)
- » Chemical engineering/biotechnology (page 101)
- » Food technology and nutrition/chemical engineering (page 114)

CIVIL AND INFRASTRUCTURE ENGINEERING



BP198 *Bachelor of Engineering (Civil and Infrastructure)*
CRICOS code: 048215M

Duration: 4 years

www.rmit.edu.au/programs/bp198

CITY CAMPUS

Civil and infrastructure engineers plan, design, construct, supervise, manage and maintain the essential infrastructure of our modern community.

Civil and infrastructure engineering works with the environment and uses natural resources for the benefit of the community. Civil and infrastructure engineers aim to be responsive to wider community needs and reflect key values, particularly in relation to the economic, environmental and social impacts of projects.

The civil and infrastructure engineering degree at RMIT is at the forefront of engineering education and is designed to satisfy current industry demand.

Sub-disciplines include: construction/project management; geotechnical; structural; transport; and water resources.

RMIT's civil and infrastructure engineering program aims to provide innovative learning experiences with a strong emphasis on communication, teamwork and leadership. The program emphasises work experience and project-based learning. The broad range of electives makes the degree more flexible and lets you customise your studies to suit your interests.

Graduates acquire good interpersonal skills, a solid understanding of engineering theory and the ability to apply learning and knowledge to a wide range of situations.

Working with industry

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% of final year students will undertake industry-based projects as part of their studies.

What you will study

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, and more structural engineering and mathematical modeling.

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, waste water 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 their 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.

www.engineersaustralia.org.au

Global connections

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.

The civil and infrastructure engineering degree is also offered through the Vocational Training Council in Hong Kong.

Pathway

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.

Graduates of the *Advanced Diploma of Engineering Design* who are successful in gaining a place are eligible to apply for exemptions from the *Bachelor of Engineering (Civil and Infrastructure)*.

CIVIL AND INFRASTRUCTURE ENGINEERING/MANAGEMENT D

BP202 *Bachelor of Engineering (Civil and Infrastructure)/Bachelor of Business (Management)*
CRICOS code: 048233J

Duration: 5 years

www.rmit.edu.au/programs/bp202

CITY CAMPUS

The double degree combines studies from the civil and infrastructure engineering and management degree programs. Civil and infrastructure engineers plan, design, construct, supervise, manage and maintain the essential infrastructure that services communities.

The civil and infrastructure engineering degree at RMIT is at the forefront of engineering education and is designed to meet industry demands in Australia and globally.

Sub-disciplines include: construction/project management; geotechnical; structural; transport; and water resources. (For more information on civil and infrastructure engineering please see page 102).

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.

Working with industry

The double degree has strong links with industry, and offers opportunities for project-based learning and work-integrated learning.

You will be required to undertake 12 weeks of professional engineering work experience, usually between years three and four.

Approximately 50% of students in their final year will undertake industry-based engineering projects.

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, students 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.

The double degree has strong links with industry, and offers opportunities for project-based learning and work-integrated learning.

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

The *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 connections

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 102)

CIVIL AND STRUCTURAL ENGINEERING



C6093 *Advanced Diploma of Engineering Design*
CRICOS code: 066397F

Duration: 2 years

www.rmit.edu.au/programs/c6093

CITY CAMPUS

Civil and structural engineering involves the design and construction of roads, airports, railways, buildings, bridges, dams and drainage systems.

The advanced diploma will give you the practical and technical skills to work with civil engineers in the research, design and construction of infrastructure projects.

This can include:

- » Using computer aided drafting (CAD) software to produce detailed drawings, plans and designs for construction work.
- » Carrying out cost estimates and preparing material specification.
- » Liaising with construction workers and project managers.
- » Undertaking inspection of completed works to ensure they meet specifications and regulations.
- » Conducting laboratory and/or filed testing of materials, soil and water quality.

Working with industry

You will complete an engineering project in the second year of the program. As part of this you will design a simulated project that involves a design brief including communication strategies and teamwork. You will be encouraged to seek an industry mentor to oversee the project.

What you will study

Year one

In the first year you will focus on computer-aided drafting (CAD). A large proportion of the CAD courses are included in the first year of the program to specifically provide you with the skills to enter employment at an early stage.

Core elements of the program include mathematics, structural mechanics, materials science, computer-aided drafting (CAD), site investigation, concrete and timber technology, environmental issues, computer applications, surveying, and estimating.

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 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

Global connections

In line with RMIT's commitment to provide you with a global passport, you are given the opportunity to undertake your engineering project for a period of at least six months at a reputable company.

Pathway

Graduates of the *Advanced Diploma of Engineering Design* who are successful in gaining a place are eligible to apply for exemptions from the *Bachelor of Engineering (Civil and Infrastructure)*.

You may also be interested in...

- » Civil and infrastructure engineering (page 102)

CIVIL ENGINEERING



AD009 *Associate Degree in Engineering Technology (Civil Engineering)*
CRICOS code: 063219D

Duration: 2 years

www.rmit.edu.au/programs/ad009

CITY CAMPUS

The *Associate Degree in Engineering Technology (Civil Engineering)* gives you the skills to move into a wide range of paraprofessional positions in the civil and structural engineering fields, and also provides a pathway into the civil and infrastructure engineering degree.

Civil engineers plan, design, draft, construct, and maintain infrastructure such as roads, bridges, dams, water supply schemes, sewerage systems, transportation systems, harbours, canals, dockyards, airports, railways, factories and large buildings.

Civil and structural engineering associates provide technical support to civil engineers.

Working with industry

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 process used to construct objects from these materials and the external factors that can change their effectiveness.

A focus of first year is environmental awareness, which cover 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 learn to design and analyse reinforced concrete beams, slabs, footings and columns, along with the ability to design simple steel structures.

Lab sessions will also develop your knowledge of soil mechanics. The design of safe and efficient methods of controlling traffic on the road is also covered.

You will also be required to undertake an engineering project.

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 draftsman working 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

Pathway

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.

You may also be interested in...

- » Electrical/electronics (page 111)
- » Mechanical engineering (pages 115–116)
- » Network engineering (page 117)

COMPUTER AND NETWORK ENGINEERING

D

BP263 *Bachelor of Engineering (Computer and Network Engineering)*
CRICOS code: 068294G

Duration: 4 years

www.rmit.edu.au/programs/bp263

CITY CAMPUS

Computer and network engineers devise engineering solutions that make businesses more productive and competitive. They can design and install new products and computer systems, work with organisations to improve an existing product, 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 new opportunities for businesses. It can assist businesses to develop robotics and multimedia systems such as speech and image processing. Computer engineers work with embedded computer systems, such as the control system for a car's electrics.

Network engineers also design, implement and maintain digital communication networks, which are used everywhere around us. In this degree, network engineering looks at VOIP technology (internet telephony), optimising network performance and network security.

The degree focuses on work in the laboratory, conducting experiments and designing your own projects.

The opportunity to specialise in both computer and network engineering is unique to this degree.

Working with industry

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 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.

In the second two years of the degree you will study your chosen specialist area more deeply. There are four compulsory subjects. The rest of your subjects will come from electives in computer or network engineering, or a combination of both.

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.

Career outlook

Computer and network engineering graduates can work in industry and business to design and build computer and communication networks.

They are also sought after by universities and research organisations to improve their computer technologies. Job opportunities exist with governments to improve defence, security and emergency services.

Telecommunication operators such as Telstra and Optus employ a large number of network engineers. Similarly, many opportunities exist with equipment manufacturers such as Cisco and Huawei, and the IT departments of various organisations.

With the skills from this course you could also run your own business, providing computer or network services.

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 connections

You 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 (RIIERP), visit www.rmit.edu.au/riierp.

Pathway

Graduates of the *Associate Degree in Engineering Technology (Network Engineering)* 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 (Computer and Network Engineering)*.

Graduates with a GPA of less than 2.0 can 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, many 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/ computer science (page 105)
- » Computer and network engineering/ management (page 106)
- » Electrical and electronic engineering (page 108)
- » Electrical engineering (page 109)

COMPUTER AND NETWORK ENGINEERING/ COMPUTER SCIENCE

D

BP002 *Bachelor of Engineering (Computer and Network Engineering)/ Bachelor of Computer Science*
CRICOS code: 067852B

Duration: 5 years

www.rmit.edu.au/programs/bp002

CITY CAMPUS

Engineers with this qualification can work with both the hardware and structure of computer systems, as well as the software that is used to control them. With embedded technology becoming increasingly popular and complex in everyday items, engineers who can provide efficient solutions using embedded technology are in high demand.

Computer engineers work with embedded computer systems, or 'smart devices', and are responsible for many of the downloadable apps available today.

Network engineers design, implement and maintain digital communication networks, which are vital for many big businesses.

Legend: D—Degree program AD—Associate Degree program T—TAFE program

Academic and English language entry requirements are listed on page 119–120. Details on teaching methods and assessment can be found on page 14.

This degree features lots of laboratory work. You will work on designing and building specialised equipment, often using wireless communication. 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.

To qualify for an Engineers Australia accreditation, you also need to complete at least 12 weeks of full-time work experience.

Working with industry

In addition to the compulsory 12 weeks of work experience required, you 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.

Career outlook

Graduates of this degree can work in many industries. These include defence, health and science, business, communication and security. 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 also seek computer scientists and engineers to improve their computer technologies. Job opportunities exist with governments to improve defence, security and emergency services.

Businesses 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.

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 connections

You 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 (RIIERP), visit www.rmit.edu.au/riierp.

You may also be interested in...

- » Computer and network engineering (page 105)
- » Computer and network engineering/management (page 106)
- » Electrical and electronic engineering (page 108)
- » Electronic and communication engineering (page 112)

COMPUTER AND NETWORK ENGINEERING/MANAGEMENT D

BP075 *Bachelor of Engineering (Computer and Network Engineering)/ Bachelor of Business (Management)*
CRICOS code: 068295G

Duration: 5 years

www.rmit.edu.au/programs/bp075

CITY CAMPUS

Computer and network engineers devise engineering approaches to develop technologies that will improve information, electronics and renewable energy industries in the future.

Engineers in these fields work with professionals in project teams in manufacturing, automation, agriculture, transport, education, medicine and environmental monitoring.

This degree will help you find creative solutions to problems. We have taken feedback from industry to develop a degree that is strong in theory and practice.

Graduates may work on international telecommunications networks or environmental monitoring projects.

Why double-up?

Big engineering projects have big responsibilities. By doubling up with a business degree, you will be more confident tackling complex financial systems. You will develop innovative approaches to projects and the ability to succeed in positions with more influence and responsibility.

Working with industry

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 also apply for summer research scholarships.

What you will study

This degree has a strong technical focus and integrates its practical orientation with personal and business skills development.

The first three years of the degree look at the fundamentals of computer and network engineering, mathematics, physics and business management.

All courses emphasise professional and personal development, allowing you to build your skills in communication, decision-making and team leading.

In the last year of your degree you can specialise in computer or network engineering.

You will complete individual and group design projects that relate closely to industry.

Career outlook

After completing this degree you can look for work in many industries. These include aerospace, automotive, biomedical, micro-technology, manufacturing, power generation and distribution, electronics, computing, networks, communications, resources, defence and primary industries.

Computer and network engineers are critical to technology companies such as Intel and telecommunications companies such as Telstra. Many engineers quickly move into management roles. This double degree gives you a business qualification, which will help you manage organisations effectively.

You may also choose to start your own business, delivering services in your specialist area of study.

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.com

Global connections

Students are encouraged to participate in Study Abroad and other centrally run educational opportunities.

Students 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 105)
- » Computer and network engineering/ computer science (page 105)
- » Electrical and electronic engineering (page 108)
- » Electronic and communication engineering (page 112)

COMPUTER SYSTEMS ENGINEERING

T

C6084* *Advanced Diploma of Computer Systems Engineering*
CRICOS code: 065161A

Duration: 2 years

www.rmit.edu.au/programs/c6084

* Program code and name are subject to change due to anticipated revision of the electrotechnology training package at a national level.

CITY CAMPUS

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, as well as 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 MCITP, 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.

Working with industry

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
- » Client-server networks
- » Commission computer systems
- » Design and implement internetworking systems
- » Electrical principles
- » Embedded systems
- » Engineering applications
- » Engineering mathematics
- » Enterprise networks
- » Install and configure internetworking systems
- » Local area networks
- » Microprocessors
- » Network operating systems
- » Network security
- » Network services
- » Object oriented coding
- » Project management
- » Web services
- » Wireless local area networks
- » Work Integrated Learning (Industrial work experience).

Teaching methods

You will participate in learning activities through lectures, online and off-line learning, 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.

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 for Cisco Certified Network Associate (CCNA), Microsoft Certified IT Professional (MCITP), 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.

Pathway

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 108)
- » Electronics and communications engineering (page 114)

ELECTRICAL



C6085* *Advanced Diploma of Electrical—Technology*
CRICOS code: 065162M

Duration: 2 years

www.rmit.edu.au/programs/c6085

* Program code and name are subject to change due to anticipated revision of the electrotechnology training package at a national level.

CITY CAMPUS

This program provides you with the skills and knowledge to monitor/validate/evaluate automated equipment and systems, 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, stand-alone renewable energy systems, computer programming, computer-aided design (CAD) and other software applications.

The program is based on the nationally-accredited Electrotechnology Training Package. It includes a number of core and elective competency units in the major study areas.

Working with industry

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

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
- » Electromagnetic circuits
- » Engineering software
- » Industrial control systems
- » Microprocessor control systems
- » Motor control
- » Occupational health and safety
- » Poly-phase power circuits
- » Programmable logic controllers (PLCs)
- » Programming using C and C++
- » Project management
- » Stand-alone renewable energy systems
- » 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, 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

Pathway

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 107)
- » Electronics and communications engineering (page 114)

ELECTRICAL AND ELECTRONIC ENGINEERING



BP262 *Bachelor of Engineering (Electrical and Electronic Engineering)*
CRICOS code: 068297E

Duration: 4 years

www.rmit.edu.au/programs/bp262

CITY CAMPUS

Electrical engineers devise solutions to generate and use electrical power efficiently and cleanly. This is very important in the energy and resources sectors. Electronic engineers design and maintain a huge range of electronic devices and systems, from amplifiers and stereos to scanning equipment used in hospitals.

Electrical and electronic engineers deliver products and services that improve quality of life for individuals and whole communities. By improving drive and control systems in transport, or designing robots and automated tools, you can improve productivity in industries such as agriculture and manufacturing.

You will learn how electricity and electronics work, and how to build and maintain devices. A large amount of time will be spent on experimenting in the laboratory and designing projects to build. You will also complete 12 weeks of full-time work experience.

Working with industry

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

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, you will gain communication and teamwork skills, and learn how to become a good leader.

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 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 connections

You 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 (RIIERP), visit www.rmit.edu.au/riierp.

Pathway

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 105)
- » Electrical engineering (page 109)
- » Electrical engineering/commerce (page 110)
- » Electrical engineering/management (page 110)
- » Electronic and communication engineering (page 112)
- » Electronic and communication engineering/computer science (page 113)

ELECTRICAL ENGINEERING D

BP261 *Bachelor of Engineering (Electrical Engineering)*
CRICOS code: 068357J

Duration: 4 years

www.rmit.edu.au/programs/bp261

CITY CAMPUS

Electrical engineers design and operate electrical devices and systems that generate and use electrical power efficiently and cleanly. This is very important to the energy and resource sectors.

Studying this degree is about more than learning the theories behind electrical engineering.

You will put these theories into practice and solve problems by making useful products and providing quality services. You will learn to do this by spending a lot of time on experiments in laboratory classes and designing projects.

You will also complete 12 weeks of full-time work experience. This is a requirement for accreditation by Engineers Australia.

Graduate opportunities can include developing new technologies to improve transportation, taking part in the renewable energy revolution, or developing new technologies and products for industries and communities of the future.

Working with industry

In addition to the compulsory 12 weeks of required work experience, students 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 suitable for 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 connections

You 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.

Pathway

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 105)
- » Electrical and electronic engineering (page 108)
- » Electrical engineering/commerce (page 110)
- » Electrical engineering/management (page 110)
- » Electronic and communication engineering (page 112)

**ELECTRICAL ENGINEERING/
COMMERCE**



BP246 *Bachelor of Engineering (Electrical Engineering)/Bachelor of Commerce*
CRICOS code: 061068G

Duration: 5 years

www.rmit.edu.au/programs/bp246

CITY CAMPUS

Electrical engineers design systems to generate and use electrical power efficiently. This is very important to the resource sector, and increasingly in demand for the renewable energy sector.

This degree will help you find creative solutions to engineering problems and provide the business expertise required to implement them.

Graduates can become business leaders in the revolution that is producing new technologies and products for industries and communities of the future.

Why double-up?

To effectively manage large infrastructure projects, employers increasingly look for engineers who have a solid understanding of business concepts in addition to their technical expertise.

With the combined skills of this double degree you can employ your technical skills to design solutions, and understand the business incentives driving these projects.

Working with industry

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

This degree adds business skills to technical learning.

The first three years introduce fundamentals of electrical engineering, including mathematics, physics, and commerce.

The last two years specialise in electrical energy and power systems, along with finance and management.

A lot of study is based around practical work in laboratories and work on computers, including design and problem-solving tools.

Career outlook

Graduates can work in many different industries.

The skills and project-based assessments in your degree make you industry ready. You will be able to offer employers technical skills, an innovative approach and the confidence and ability to manage large projects.

Work opportunities for graduates exist in government organisations and private companies, both in Australia and overseas. You could work in the fields of renewable energy, power generation and distribution, industrial and retail automation or developing new technologies for transportation.

Suitable roles for graduates include designing and supervising projects to implement advanced technologies.

You could also choose to start your own business.

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 connections

Students 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 105)
- » Electrical and electronic engineering (page 108)
- » Electrical engineering (page 109)
- » Electrical engineering/management (page 110)
- » Electronic and communication engineering (page 112)

**ELECTRICAL ENGINEERING/
MANAGEMENT**



BP065 *Bachelor of Engineering (Electrical Engineering)/Bachelor of Business (Management)*
CRICOS code: 026681M

Duration: 5 years

www.rmit.edu.au/programs/bp065

CITY CAMPUS

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.

Graduates can be 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.

Working with industry

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, utilising 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 connections

You 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 105)
- » Electrical and electronic engineering (page 108)
- » Electrical engineering (page 109)
- » Electrical engineering/commerce (page 110)
- » Electronic and communication engineering (page 112)

ELECTRICAL/ELECTRONICS

AD

AD005 *Associate Degree in Engineering Technology (Electrical/Electronics)*
CRICOS code: 059385B

Duration: 2 years

www.rmit.edu.au/programs/ad005

CITY CAMPUS

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. This includes radio, television, computer systems, robotic systems, and other electronic systems.

Combining lectures and seminars with practical laboratory and workshops sessions including 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.

Working with industry

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 build 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

First year

First year introduces basic AC motors, electronic concepts and PLC operation.

You 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 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.

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 also undertake an engineering project.

Career outlook

Electrical and electronic technology is part of daily life and graduates are in demand. Graduates have diverse job opportunities 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 connections

You have the opportunity to apply for a one-semester exchange with VIA University College, Denmark in the final year of the program.

Pathway

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 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 104)
- » Mechanical engineering (pages 115–116)
- » Network engineering (page 117)

ELECTRONIC AND COMMUNICATION ENGINEERING

BP264 *Bachelor of Engineering (Electronic and Communication Engineering)*
CRICOS code: 068299C

Duration: 4 years
www.rmit.edu.au/programs/bp264

CITY CAMPUS

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 such as mobile phones, computers, internet, broadband services, radio, 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 rely heavily on sophisticated electronic diagnostic and therapeutic equipments. 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 learning component that provides hands-on, practical experience. You will thus be work-ready when you commence your professional engineering career.
- » It includes a very 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.

Working with industry

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.

In years one and two, 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. All of these skills are essential for a career in engineering.

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.

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, the UK and the US.

Global connections

Students 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 (RIERP), visit www.rmit.edu.au/rierp.

Pathway

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 105)
- » Electrical and electronic engineering (page 108)
- » Electrical engineering (page 109)
- » Electronic and communication engineering/ computer science (page 113)
- » Electronic and communication engineering/ physics (page 118)

ELECTRONIC AND COMMUNICATION ENGINEERING/ COMPUTER SCIENCE D

BP004 *Bachelor of Engineering (Electronic and Communication Engineering)/ Bachelor of Computer Science*

Duration: 5 years

CRICOS code: 067849G

www.rmit.edu.au/programs/bp004

CITY CAMPUS

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 enhance people's quality of life, improve 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.

Working with industry

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 (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, the UK and the US.

Global connections

You have the opportunity to undertake an industry placement for six or 12 months, either locally 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 105)
- » Computer and network engineering/ computer science (page 105)
- » Computer and network engineering/ management (page 106)
- » Electrical and electronic engineering (page 108)
- » Electronic and communication engineering (page 112)

ELECTRONICS AND COMMUNICATIONS ENGINEERING

T

C6083* *Advanced Diploma of Electronics and Communications Engineering*
CRICOS code: 065163K

Duration: 2 years

www.rmit.edu.au/programs/c6083

* Program code and name are subject to change due to anticipated revision of the electrotechnology training package at a national level.

CITY CAMPUS

This qualification will provide you with the skills and knowledge to design and validate/evaluate electronics and communications equipment and systems, manage risk, estimate and manage projects and provide technical advice.

You will develop knowledge and skills in computer-aided drafting and electronic design, computer interfacing, microprocessor programming, design, testing and commissioning of analogue and digital electronics systems, and computer programming and perform simulations using various engineering software packages.

The program is based on the nationally-accredited electrotechnology training package. It includes a number of core and elective competency units in the major study areas.

Working with industry

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

As part of this program 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:

- » Analogue integrated circuit design
- » Circuit simulation
- » Communications and networks
- » Computational solutions
- » Computer programming
- » Digital and analogue electronics and applications
- » Electronic interfacing
- » Electronic technology and instrumentation
- » 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
- » Printed circuit board design
- » Project management
- » Technical leadership skills
- » Telecommunications
- » Work Integrated Learning (industrial work experience).

Teaching methods

You will participate in learning activities through lectures, tutorials, practical/laboratory exercises, work-simulated projects, online and off-line learning, 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

Pathway

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 107)
- » Electrical—technology (page 108)

ENVIRONMENTAL ENGINEERING

D

BP056 *Bachelor of Engineering (Environmental Engineering)*
CRICOS code: 012945G

Duration: 4 years

www.rmit.edu.au/programs/bp056

CITY CAMPUS

Please refer to page 123 for program details.

ENVIRONMENTAL SCIENCE/ ENVIRONMENTAL ENGINEERING

D

BP235 *Bachelor of Environmental Science/ Bachelor of Engineering (Environmental Engineering)*
CRICOS code: 055823F

Duration: 5 years

www.rmit.edu.au/programs/bp235

CITY CAMPUS

Please refer to page 125 for program details.

FOOD TECHNOLOGY AND NUTRITION/ CHEMICAL ENGINEERING

D

BP236 *Bachelor of Science (Food Technology and Nutrition)/Bachelor of Engineering (Chemical Engineering)*
CRICOS code: 055814G

Duration: 5 years

www.rmit.edu.au/programs/bp236

CITY CAMPUS

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 awards 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.

Working with industry

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 the 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 to give 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 connections

RMIT offers student exchange scholarships for student exchange programs with 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 98)
- » Chemical engineering/biotechnology (page 101)

MECHANICAL ENGINEERING AD

AD002 *Associate Degree in Engineering Technology (Mechanical)*
CRICOS code: 068158E

Duration: 2 years

www.rmit.edu.au/programs/ad002

CITY CAMPUS

The *Associate Degree in Engineering Technology (Mechanical)* provides you with the basic engineering skills which can provide you with a pathway into degrees in aerospace engineering, automotive engineering and mechanical engineering.

Mechanical engineers apply their knowledge of materials, structures, energy and management to design, analyse and improve a range of products. These can include refrigerators, washing machines, solar water heaters, pumps, engines, compressors, wind turbines and air-conditioning systems.

The second year of the associate degree will allow you to specialise in aerospace engineering which focuses on the design, development, manufacture and maintenance work of all types of flight vehicles.

Associate degree graduates will have diverse job opportunities in areas such as mechanical design, aircraft systems and automotive manufacturing.

Working with industry

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 are competitively raced.
- » Using CAD/CAM processes you will design, build and fly an unmanned aerial vehicle (UAV). This project culminates 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 these 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 able to fill 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 connections

You have the opportunity to apply for a one semester exchange with VIA University College, Denmark in the final year of the program.

Pathway

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 104)
- » Electrical/electronics (page 111)
- » Network engineering (page 117)

MECHANICAL ENGINEERING



BP066 *Bachelor of Engineering (Mechanical Engineering)*
CRICOS code: 001539A

Duration: 4 years

www.rmit.edu.au/programs/bp066

CITY AND BUNDOORA CAMPUSES

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.

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 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 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.

Working with industry

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. 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 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. There are specialised course areas in engineering design, computational engineering, dynamics, CAD, heat transfer, renewable energy, mechatronics and control engineering.

The degree has a common core with the automotive engineering degree for the first four semesters and shares some specialist electives. Professional practice courses integrate design and build activities, computing skills, industrial practice, ethics studies, sustainability considerations, report writing and other communication skills with development of organisational, personal and interpersonal skills.

You will work together in groups, which will require organisational, planning and reporting skills. The major project, normally undertaken in final year, and some engineering design courses are frequently linked with industry.

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

Global connections

Opportunities are available to students to carry out a work placement overseas with industry partners. Additionally, the option to link with a multinational organisation is available for final year projects.

Pathway

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 can apply, and if successful in gaining a place, may be eligible for exemptions.

You may also be interested in...

- » Advanced manufacturing and mechantronics (page 96)
- » Aerospace engineering (page 96)
- » Automotive engineering (page 99)
- » Mechanical engineering/management (page 117)

MECHANICAL ENGINEERING/ MANAGEMENT

D

BP068 *Bachelor of Engineering
(Mechanical Engineering)/
Bachelor of Business (Management)*
CRICOS code: 028260E

Duration: 5 years

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.

www.rmit.edu.au/programs/bp068

CITY AND BUNDOORA CAMPUSES

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.

Working with industry

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 on offer enable you 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.

Management electives are chosen from one of the following streams:

- » employment relations
- » international management
- » logistics and supply chain management
- » management of accounting and finance
- » marketing management.

Career outlook

Job opportunities exist for graduates within the automotive and 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 opportunity to propel themselves into management roles 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

Global connections

Opportunities are available to carry out a work placement overseas with industry partners. Additionally, the option to link with a multinational organisation is available for final year projects.

You may also be interested in...

- » Advanced manufacturing and mechatronics (page 96)
- » Aerospace engineering (page 96)
- » Automotive engineering (page 99)
- » Mechanical engineering (pages 115–116)

NETWORK ENGINEERING

AD

AD008 *Associate Degree in Engineering
Technology (Network Engineering)*
CRICOS code: 061258B

Duration: 2 years

www.rmit.edu.au/programs/ad008

CITY CAMPUS

Network engineers are involved in the design, installation and analysis of computer systems and networks. They can also work with an existing network to ensure it remains effective and develops to meet new requirements.

The *Associate Degree in Engineering Technology (Network Engineering)* will give you the theoretical 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.

Industry certification skills are highly valued and as part of the network engineering program you will be trained for certification exams including MCITP, A+, CCNA, CCNP, CWNA, CCNA security and Cisco unified communication.

Working with industry

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 IP.

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 also undertake an engineering project.

Assessment

Assessment is ongoing throughout the semester and may include examinations, reports, oral class presentations, group projects, research projects, laboratory projects, laboratory tests and practical assignments.

Legend: D—Degree program AD—Associate Degree program T—TAFE program

Academic and English language entry requirements are listed on page 119–120. Details on teaching methods and assessment can be found on page 14.

Career outlook

Graduates will have job opportunities in many areas, including computer systems, network design, network management, network maintenance, manufacturing and design.

Graduates will be well equipped with the practical and theoretical skills to access careers as computer hardware specialists, network engineers, network professionals, network system analysts, network security specialists, IP telephony specialists. You may also find employment in a diverse range of middle management positions.

Professional recognition

Graduates are eligible to seek membership of Engineers Australia at the engineering associate level.

www.engineersaustralia.org.au

Pathway

Graduates of the *Associate Degree in Engineering Technology (Network Engineering)* 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 (Computer and Network 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 104)
- » Electrical/electronics (page 111)
- » Mechanical engineering (pages 115–116)

PHYSICS/ELECTRONIC AND COMMUNICATION ENGINEERING

BP007 *Bachelor of Science (Physics)/ Bachelor of Engineering (Electronic and Communication Engineering)*
CRICOS code: 068161K

Duration: 5 years

www.rmit.edu.au/programs/bp007

CITY CAMPUS

Physicists use mathematics and scientific methods to study all aspects of nature on Earth and in the universe. Discoveries in physics often result in products and technologies that dramatically transform people's way of life.

Engineers design and implement products and services for people, business, industry, and governments. These products help to enrich people's quality of life, improve profits, and enhance community health, safety and security. The combined double degree boosts problem-solving abilities by using the dual skills of scientific and engineering approaches.

This program has the following distinguishing features:

- » It contains a very significant laboratory learning component that provides hands-on, practical experience.
- » It includes a very substantial design component to develop not only competence and creativity in design, but also other important skills in business, management, communication, teamwork and leadership.

Why double-up?

The *Bachelor of Science (Physics)/Bachelor of Engineering (Electronic and Communication Engineering)* program at RMIT is designed to produce physicists and engineers who have the potential to be leaders in their professions. Graduates of this double degree are keenly sought after by business, industry and government organisations.

Working with industry

In addition to the compulsory 12 weeks of work experience, students 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 of this degree, 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.

Career outlook

Graduates of this double degree are keenly sought after due to their extensive range of knowledge and skills and their excellent problem-solving skills, which combine both scientific and engineering approaches.

Graduates may be employed in:

- » Industry to design and manufacture electronic, communication and scientific products.
- » Business to implement and maintain electronic, communication and scientific systems and services.
- » Education, research and development organisations to advance technologies.
- » Government organisations to provide health, education, environment, transport, defence, trade, security and emergency services.

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, the UK and the US.

Global connections

Students have the opportunity of undertaking an industry placement for one or two semesters, either locally, or internationally through the RMIT International Industry Experience and Research Program (RIIERP).

www.rmit.edu.au/riierp

You may also be interested in...

- » Computer and network engineering (page 105)
- » Electrical engineering (page 109)
- » Electronic and communication engineering/ computer science (page 113)
- » Electronic and electrical engineering (page 108)

Minimum entry requirements

To look up the equivalent academic qualification for your country, go to page 164.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
C6084	<i>Advanced Diploma of Computer Systems Engineering</i>	Minimum 50% average	Completion of the Science, Engineering and Technology stream with a minimum 50% average for best four academic courses (subjects) and minimum 60% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 5.5 with no individual band below 5.0; or » TOEFL (Paper-based) minimum 530 with Test of Written English (TWE) no less than 3.5; or » TOEFL (iBT) minimum overall score of 71 with a minimum of 17 in all sections; or » Successful completion of REW Upper Intermediate program. 	—
C6085	<i>Advanced Diploma of Electrical—Technology</i>				
C6083	<i>Advanced Diploma of Electronics and Communications Engineering</i>				
C6093	<i>Advanced Diploma of Engineering Design</i>	Minimum 50% average			Mathematics; VCE—Units 1 and 2—two units (any study combination) Mathematics
AD009	<i>Associate Degree in Engineering Technology (Civil Engineering)</i>	Minimum 50% average	Completion of the Science, Engineering and Technology stream with a minimum 50% average for best four academic courses (subjects) and minimum 60% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.0 with no individual band below 5.5; or » TOEFL (Paper-based) minimum 550 with Test of Written English (TWE) no less than 4.0; or » TOEFL (iBT) minimum overall score of 79 with a minimum of 19 in all sections; or » Successful completion of REW Advanced program. 	Higher Mathematics; VCE—Mathematical Methods (CAS)
AD005	<i>Associate Degree in Engineering Technology (Electrical/Electronics)</i>				
AD002	<i>Associate Degree in Engineering Technology (Mechanical)</i>				
AD008	<i>Associate Degree in Engineering Technology (Network Engineering)</i>				
BP013	<i>Bachelor of Engineering (Advanced Manufacturing and Mechatronics)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics; VCE—Mathematical Methods (CAS)
BP069	<i>Bachelor of Engineering (Aerospace Engineering)</i>				
BP067	<i>Bachelor of Engineering (Automotive Engineering)</i>				
BP198	<i>Bachelor of Engineering (Civil and Infrastructure)</i>				
BP263	<i>Bachelor of Engineering (Computer and Network Engineering)</i>				
BP262	<i>Bachelor of Engineering (Electrical and Electronic Engineering)</i>				
BP261	<i>Bachelor of Engineering (Electrical Engineering)</i>				
BP264	<i>Bachelor of Engineering (Electronic and Communication Engineering)</i>				
BP056	<i>Bachelor of Engineering (Environmental Engineering)</i>				
BP066	<i>Bachelor of Engineering (Mechanical Engineering)</i>				

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
BP071	<i>Bachelor of Engineering (Aerospace Engineering)/Bachelor of Business (Management)</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics; VCE—Mathematical Methods (CAS)
BP202	<i>Bachelor of Engineering (Civil and Infrastructure)/Bachelor of Business (Management)</i>				
BP075	<i>Bachelor of Engineering (Computer and Network Engineering)/Bachelor of Business (Management)</i>				
BP246	<i>Bachelor of Engineering (Electrical Engineering)/Bachelor of Commerce</i>				
BP065	<i>Bachelor of Engineering (Electrical Engineering)/Bachelor of Business (Management)</i>				
BP068	<i>Bachelor of Engineering (Mechanical Engineering)/Bachelor of Business (Management)</i>				
BP225	<i>Bachelor of Science (Applied Chemistry)/Bachelor of Engineering (Chemical Engineering)</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics and Chemistry; VCE—Chemistry and Mathematical Methods (CAS)
BP159	<i>Bachelor of Engineering (Chemical Engineering)/Bachelor of Science (Biotechnology)</i>				
BP052	<i>Bachelor of Engineering (Chemical Engineering)/Bachelor of Business (Management)</i>				
BP236	<i>Bachelor of Science (Food Technology and Nutrition)/Bachelor of Engineering (Chemical Engineering)</i>				
BP002	<i>Bachelor of Engineering (Computer and Network Engineering)/Bachelor of Computer Science</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics; VCE—Mathematical Methods (CAS) or Specialist Mathematics
BP004	<i>Bachelor of Engineering (Electronic and Communication Engineering)/Bachelor of Computer Science</i>				
BP235	<i>Bachelor of Environmental Science/ Bachelor of Engineering (Environmental Engineering)</i>				
BP007	<i>Bachelor of Science (Physics)/ Bachelor of Engineering (Electronic and Communication Engineering)</i>				
BP070	<i>Bachelor of Applied Science (Aviation)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Mathematics; VCE—Mathematics (any)
BP089	<i>Bachelor of Applied Science (Surveying)</i>				Higher Mathematics; VCE—one of Mathematical Methods (CAS) or Specialist Mathematics

Note that entry requirements are indicative minimum requirements only.



REHABILITATE OUR EARTH

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:

- » 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 only see problems?

‘Environmental Science is becoming a very important field as we develop new technologies and processes to change the way we do things in modern society, and I want to be a part of it.

‘This degree contains a great mix of field trips and laboratory work which prepares us for the workforce.

‘My plans are to become a geologist/environmental scientist, but I now feel like the sky is the limit.’

**PAULO DA SILVA, BRAZIL
BACHELOR OF SCIENCE (APPLIED SCIENCE)**

CONSERVATION AND LAND MANAGEMENT



C5161 *Diploma of Conservation and Land Management*
CRICOS code: 045844F

Duration: 2 years

www.rmit.edu.au/programs/c5161

CITY CAMPUS

The *Diploma of Conservation and Land Management* will give you the skills used by land managers, park rangers, site assessors, water quality assessors and conservation staff.

The emphasis in the program is on acquiring practical skills and knowledge that can be applied in the workplace. In each year of the program, you will undertake extended field trips to more remote locations.

You will also spend a large amount of time out in the field learning how to survey animals and plants, monitor waterways, assess and restore natural sites and undertake cultural studies, among others.

All the teachers in this program have extensive experience working in the industry and maintain industry connections through liaison with industry representatives and organisations.

The diploma is based on the National Conservation and Land Management Training Package. Industry stakeholders such as Melbourne Water, Parks Victoria and local councils have significant input into the program.

Working with industry

You will undertake 10 to 20 days of work experience with an industry employer as arranged by RMIT.

During the two-year program, there are also extensive fieldwork studies undertaken on various areas of public land in collaboration with Melbourne Water, Friends groups and other organisations.

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 the 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.

Pathway

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 124)
- » Geospatial science (page 156)

ENVIRONMENT



BP000 *Bachelor of Social Science (Environment)*
CRICOS code: 027119G

Duration: 3 years

www.rmit.edu.au/programs/bp000

CITY CAMPUS

This program explores how we can address and reverse environmental threats to work towards a more environmentally sustainable future.

By discussing, researching and designing effective strategies to analyse past and present situations, you will be directly involved in improving cities, rural areas and the wider environment.

You will work on real life projects with many leading environmental practitioners to develop practical solutions to problems such as climate change, energy use and pollution management.

This program focuses on environmental policies and management, and the way decisions about the environment are made.

Working with industry

A formal work placement of approximately 20 days is undertaken in the final semester of the degree.

RMIT finds paid work 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

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 make 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 environment 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 connections

Strong ties have been built up with environment programs at highly-regarded universities in Canada, China, Finland, the Netherlands, the Philippines and Sweden. In 2011 up to ten students will study abroad. 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 124)
- » Environmental science and environment (page 125)
- » Environmental science and management (page 126)

ENVIRONMENTAL ENGINEERING D

BP056 *Bachelor of Engineering
(Environmental Engineering)*
CRICOS code: 012945G

Duration: 4 years

www.rmit.edu.au/programs/bp056

CITY CAMPUS

Environmental engineers develop skills in applying engineering concepts and technical skills to preserve the environment, minimise water, soil and air pollution, assess environmental impact of engineering projects, develop remediation measures for environmental degradation and deliver sustainable solutions through engineering processes. Environmental engineering at RMIT offers students the opportunity to specialise in civil engineering, ground water or chemical engineering. Environmental engineers design systems to improve water quality, develop cleaner production technologies in agriculture, rehabilitation of mining sites and contaminated land, work on land salinity problems, and prepare environmental impact studies.

Students are encouraged to take initiative with their learning and engage in multidisciplinary projects. All students will undertake 12 weeks vocational work as a component of their final year workplace projects. Strong ground water and hydro geology is a focus of the RMIT environmental engineering program, providing employment opportunities in the resources industry and land remediation areas.

Working with industry

A special feature of the RMIT environmental degree is the integration of learning activities with many site visits. This includes visits to Queenscliff for observing the geo-marine environments, Hazelwood Mines for land contamination courses, Western Water Treatment Plant to observe water treatment and recycling, and geological site investigation visits to Studley Park.

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. Basic computer-aided design mapping skills and other basic computing skills are also introduced in year one. Geology courses offer skills in basic 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, waste water 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, integrated workplace projects and offers students the opportunity of working 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.

Professional recognition

The *Bachelor of Engineering (Environmental Engineering)* degree is accredited by Engineers Australia. Graduates are eligible to apply for graduate membership of Engineers Australia and are recognised as professional engineers in all member countries of the Washington Accord. www.engineersaustralia.org.au
www.washingtonaccord.org

Global connections

RMIT environmental engineering students have the option to undertake a study tour to Paris entitled 'Sustainable cities' and engage in a Vietnam research project.

You may also be interested in...

- » Civil and infrastructure engineering (page 102)
- » Environmental science (page 124)
- » Environmental science/environmental engineering (page 125)

ENVIRONMENTAL SCIENCE



BP192 *Bachelor of Environmental Science*
CRICOS code: 047880G

Duration: 3 years

www.rmit.edu.au/programs/bp192

CITY CAMPUS

Environmental science at RMIT is concerned with the evaluation and management of all aspects of the environment (atmosphere, hydrosphere, lithosphere and biosphere).

This degree will provide you with a detailed knowledge of processes which occur in both natural and degraded environments, combined with a specialisation in two areas of environmental study. At least one of the specialisations will be either environmental chemistry or environmental biology. The other specialisation can be chosen from environmental engineering, environmental management, instrumental analysis or geospatial science.

In the environmental science program, you will:

- » Gain considerable hands-on experience with equipment both in the laboratory and in the field. This is done in small groups to give each student equal opportunity.
- » Take part in many field trips. There are usually two to three field trips per semester.
- » Be given the opportunity to work on collaborative projects with industry. This generally involves working in small teams.

Considerable emphasis is put on enabling each student to settle into this program and providing additional academic help, where needed.

Working with industry

Regular field trips are a feature of this degree involving teamwork and are often carried out in association with government agencies, environmental agencies and consultancies. All students also engage with industry in their final year project.

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.

Another popular option is to study the coral reef off Lizard Island in Queensland.

There is also an opportunity to undertake a team research project in Vietnam.

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 which 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 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.

Career outlook

Graduates obtain jobs in environmental consultancies, government agencies, resource management, research and education, and the mining/manufacturing industry.

Typical tasks that our graduates undertake include sample collection and analysis, waste management, ongoing monitoring and assessment, environmental impact assessment, site remediation, policy development, cleaner production, environmental education and training and environmental auditing.

A number of our past graduates are now in senior positions in several industry areas, including the Environmental Protection Agency (EPA).

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.

Global connections

Students may take one or more semesters at an overseas institution through the Education Abroad program at more than 120 partner universities. Recent students have studied in Denmark (Technical University of Denmark), Canada (Concordia University), Sweden (Lund University), Holland (Delft University of Technology) and the USA (Buffalo State University).

Pathway

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...

- » Environment (page 122)
- » Environmental science/environment (page 125)
- » Environmental science/environmental engineering (page 125)
- » Environmental science/management (page 126)

ENVIRONMENTAL SCIENCE/ ENVIRONMENT

D

BP193 *Bachelor of Environmental Science/
Bachelor of Social Science
(Environment)*
CRICOS code: 048147G

Duration: 4 years

www.rmit.edu.au/programs/bp193

CITY CAMPUS

This double degree combines the study of environmental sciences with environment policy making and action.

There is no other degree in Victoria that 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 for graduates as scientists, policy makers, political 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. Theories are put into action and then reconsidered.

Working with industry

A formal work placement of approximately 20 days is undertaken in the final semester of the degree. RMIT finds paid work 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 cover the fundamentals of the environmental sciences together with the histories and philosophies of contemporary environmental movements.

Year two

As second-year students, you 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 in 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 connections

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 124)
- » Environmental science and management (page 126)

ENVIRONMENTAL SCIENCE/ ENVIRONMENTAL ENGINEERING

D

BP235 *Bachelor of Environmental Science/
Bachelor of Engineering
(Environmental Engineering)*
CRICOS code: 055823F

Duration: 5 years

www.rmit.edu.au/programs/bp235

CITY CAMPUS

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, and solve environmental management systems, allowing you to contribute at the science/engineering interface.

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 ability to design solutions.

Working with industry

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, which 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 environmental science and the fundamental sciences of chemistry, biology and physics. 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 connections

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 122)
- » Environmental science (page 124)
- » Environmental science/environment (page 125)
- » Environmental science/management (page 126)

ENVIRONMENTAL SCIENCE/ MANAGEMENT



BP161 *Bachelor of Environmental Science/ Bachelor of Business (Management)*
CRICOS code: 043570K

Duration: 4 years
www.rmit.edu.au/programs/bp161

CITY CAMPUS

Through this double degree in environmental science and management, you will gain a thorough knowledge of environmental science and business management principles and practices.

Environmental science graduates, particularly those working in consulting firms, need a sound knowledge of management principles in order 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 operate an environmental management plan to this effect. The double degree between environmental science and business combines an understanding of business management with a sound knowledge of the environment to create an attractive package for prospective employers.

Double degree graduates gain further skills and knowledge that may extend their opportunities into future management positions.

Working with industry

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 accountancy, 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 connections

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 122)
- » Environmental science (page 124)
- » Environmental science/environment (page 125)
- » Environmental science/environmental engineering (page 125)

GEOSPATIAL SCIENCE

D

BP087 *Bachelor of Science
(Geospatial Science)*
CRICOS code: 071871J

Duration: 4 years
www.rmit.edu.au/programs/bp087
CITY CAMPUS

Please refer to page 156 for program details.

LANDSCAPE ARCHITECTURE/ URBAN DESIGN

D

BP239 *Bachelor of Design
(Landscape Architecture)/
Bachelor of Applied Science
(Planning)*
CRICOS code: 056496G

Duration: 5 years
www.rmit.edu.au/programs/bp239
CITY CAMPUS

Please refer to page 36 for program details.

PLANNING

D

BP188 *Bachelor of Applied Science
(Planning)*
CRICOS code: 050825M

Duration: 4 years
www.rmit.edu.au/programs/bp188
CITY CAMPUS

Urban and regional planning is more than just about creating physical environments. It teaches you to understand all the influences that affect the way we live, and the many factors that need to be considered in order to create sustainable and liveable cities and regions.

This program is suitable for those with interests in geography, urban design, history, economics, politics and environmental studies.

While the program focuses on Melbourne and its surroundings, you will be introduced to planning practices in other parts of the world. You will be involved in many real-life projects with leading practitioners, not just academics.

Working with industry

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. 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. Students finish by writing either a major, small-group planning report on a topic of their 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 connections

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.

Pathway

Students who have a GPA of 3.0 or more in the first two years of study in the planning degree are eligible to apply to study in the planning honours degree.

You may also be interested in...

- » Environment (page 122)
- » Landscape architecture (design) (page 35)
- » Project management (page 37)

SURVEYING

D

BP089 *Bachelor of Applied Science
(Surveying)*
CRICOS code: 022250M

Duration: 4 years
www.rmit.edu.au/programs/bp089
CITY CAMPUS

Please refer to page 160 for program details.

Minimum entry requirements

To look up the equivalent academic qualification for your country, go to page 164.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
C5161	<i>Diploma of Conservation and Land Management</i>	Minimum 50% average	Completion of the Science, Engineering and Technology stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 5.5 with no individual band below 5.0; or » TOEFL (Paper-based) minimum 530 with Test of Written English (TWE) no less than 3.5; or » TOEFL (iBT) minimum overall score of 71 with a minimum of 17 in all sections; or » Successful completion of REW Upper Intermediate program. 	A Supplementary Form is required
BP056	<i>Bachelor of Engineering (Environmental Engineering)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics; VCE—Mathematical Methods (CAS)
BP192	<i>Bachelor of Environmental Science</i>				Higher Mathematics; VCE—Mathematical Methods (either) or Specialist Mathematics
BP089	<i>Bachelor of Applied Science (Surveying)</i>				
BP193	<i>Bachelor of Environmental Science/Bachelor of Social Science (Environment)</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics; VCE—Mathematical Methods (CAS) or Specialist Mathematics
BP000	<i>Bachelor of Social Science (Environment)</i>	Minimum 70% average	Completion of the Media and Communication stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Applicants are required to submit a statement (400–500) words explaining their interest in this program. This program includes a professional practice work placement.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
BP235	<i>Bachelor of Environmental Science/Bachelor of Engineering (Environmental Engineering)</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics; VCE—Mathematical Methods (CAS) or Specialist Mathematics
BP161	<i>Bachelor of Environmental Science/Bachelor of Business (Management)</i>				
BP087	<i>Bachelor of Science (Geospatial Science)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Mathematics
BP239	<i>Bachelor of Design (Landscape Architecture)/ Bachelor of Applied Science (Planning)</i>	Minimum 70% average	Completion of the Art, Design and Architecture stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Applicants who do not achieve the required minimum average from the Foundation Studies program may be considered for entry at the discretion of the School. An interview may be required.
BP188	<i>Bachelor of Applied Science (Planning)</i>	Minimum 70% average	Completion of the Media and Communication stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Successful completion of REW Advanced Plus program. 	—

Note that entry requirements are indicative minimum requirements only.

Supplementary forms, if required, are available on www.rmit.edu.au/programs/international/forms



CARE FOR OTHERS

RMIT's diverse range of health, medical and wellbeing programs focus on providing practical solutions to issues of health.

Many programs include practical 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 not only in Australia but throughout the world.

You can choose from:

- » biomedical science
- » complementary medicine
- » exercise and sport science
- » laboratory medicine
- » medical radiations
- » nursing
- » pathology testing
- » pharmaceutical sciences
- » psychology.

You can improve the health and healing of communities.

'Laboratory medicine is all about how to detect diseases through lab tests. My studies have not only taught me how to conduct these tests but also why we conduct them, for which diseases and how to understand the results obtained. The best part about it was the 40 weeks of placement.'

**DALAL ALMUAILI, KUWAIT
BACHELOR OF APPLIED SCIENCE (LABORATORY MEDICINE)**

ACUPUNCTURE AND CHINESE MANUAL THERAPY

D

BP267 *Bachelor of Health Science (Acupuncture and Chinese Manual Therapy)*
CRICOS code: 071870K

Duration: 4 years

www.rmit.edu.au/programs/bp267

BUNDOORA CAMPUS

Acupuncturists treat a variety of health conditions using non drug based treatments. This program also incorporates Chinese manual therapies (massage or tuina) to improve the quality of life of the community. Conditions presented for care can include musculoskeletal pain, women's health, childhood diseases and general ailments from the common cold to asthma.

Acupuncture involves using fine sterile needles that are inserted into the body to stimulate vital energy in the body. With modern technology, the RMIT program also uses laser and needle-free devices.

This program has a strong emphasis on work integrated learning. You will have hands on practice in class and later on in the on-campus teaching clinic, treating members of the public with acupuncture and Chinese manual therapies.

You will study at the most reputable University offering Chinese medicine degrees. RMIT staff are dedicated to continually improving the quality of learning and teaching for students through ongoing research such as clinical trials.

RMIT has state-of-the-art facilities in anatomy and physiology as well as traditional Chinese medicine theories.

This is the only degree at a university level in Australia offering both acupuncture and Chinese manual therapies.

Working with industry

You will undertake one semester in year four of advanced clinical training in one of China's most well known teaching hospitals, the Nanjing Teaching Hospital, Nanjing University of Chinese Medicine.

You must have adequate clinical training prior to becoming a registered Acupuncturist to see patients independently upon graduation. The clinical training in China will fulfil this requirement.

The Program Advisory Committee oversees the quality of the program. It is chaired by a senior consultant physician and members include a senior public servant, pharmacist, general practitioner, Chinese medicine practitioner, Victorian Chinese Medicine Registration Board member and Head of School and Head of Discipline at RMIT.

What you will study

You will learn basic western medical sciences such as anatomy, physiology, immunology, microbiology and pathology as well as diagnosis in western medicine. This helps you understand the normal and pathological side of humans from a western medicine perspective.

Chinese medicine theories are studied alongside these western medical courses to integrate the two theories. You will study acupuncture points and meridians and Chinese manual therapy techniques, and then combine them in a clinical setting to learn to treat patients using both modalities.

You will undertake supervised clinic hours from year three, second semester. This will provide you with hands-on experience in treating a variety of conditions.

You will then study one semester in year four at one of China's top Chinese medicine teaching hospitals (Nanjing). This will give you advanced clinical training where you will see a large number and variety of clinical conditions not traditionally seen in Australia.

This builds your confidence and helps you prepare for private or group practice. You will then return to Australia to complete your clinical training in an Australian context.

Career outlook

The use of acupuncture and Chinese manual therapy outside of China is rapidly increasing. There are many opportunities and high demand for qualified practitioners. Graduates will be able to practise Chinese massage and acupuncture at an internationally-accepted level.

RMIT graduates are working in areas including academia; research and development; pharmaceutical industries; government organisations; and clinical practices in specialty areas. In addition, research in acupuncture is an emerging area and requires quality graduates to undertake this research.

Professional recognition

The *Bachelor of Health Science (Acupuncture and Chinese Manual Therapy)* has preliminary approval for a new program by the Chinese Medicine Registration Board of Victoria (CMRB Vic) as well as the Australian Acupuncture and Chinese Medicine Association (AACMA).

Global connections

You will spend one semester in year four in China for advanced clinical training.

You may also be interested in...

- » Chinese medicine and human biology (page 132)
- » Chiropractic (page 133)
- » Laboratory pathology (page 138)
- » Nursing (pages 136–137)
- » Osteopathy (page 137)

BIOMEDICAL SCIENCE

D

BP231 *Bachelor of Biomedical Science*
CRICOS code: 068159D

Duration: 3 years

www.rmit.edu.au/programs/bp231

BUNDOORA CAMPUS

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.

Biomedical science at RMIT offers flexibility, allowing you to select specialist electives in your final year. There is opportunity to select from topics such as cell biology, biochemistry, molecular biology, physiology and anatomy. RMIT's degree emphasises vocational skills based on the latest technology in modern, well-equipped laboratories. You will also have access to excellent online and support facilities.

Working with industry

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, statistics and histology.

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 pathology.

Year three

In year three you have a choice of studying a selection of molecular biology, biochemistry, cell biology, anatomy and advanced physiology. You will also undertake a short research project or work experience as part of your studies.

Legend: D—Degree program AD—Associate Degree program T—TAFE program

Academic and English language entry requirements are listed on page 141–142. Details on teaching methods and assessment can be found on page 14.

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 (ASBMB)
- » Genetics Society of Australia (GSA)
- » Human Genetics Society of Australasia (HGSA)
- » Mutagenesis and Experimental Pathology Society of Australia (MEPSA).

Pathway

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 154)
- » Chinese medicine and human biology (page 132)
- » Laboratory medicine (page 134)
- » Pharmaceutical science (page 139)

**CHINESE MEDICINE/
HUMAN BIOLOGY**



BP183 *Bachelor of Applied Science (Chinese Medicine)/Bachelor of Applied Science (Human Biology)*
CRICOS code: 042602D

Duration: 5 years
www.rmit.edu.au/programs/bp183

BUNDOORA CAMPUS

The double degree in Chinese medicine and human biology 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. This degree emphasises the integration of Chinese and western medicines, working together with the health community to provide the public with the best possible treatment.

Working with industry

In Chinese medicine, you will undertake supervised clinical practice and build 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.

What you will study

The following is an example of what is offered in the program:

Theoretical Chinese medicine components

Includes acupuncture techniques (including meridians and acupoints), herbs and medicinal formulae, diet and exercise therapy, the history of Chinese medicine, an introduction to Chinese language, and principles of Chinese medicine.

Basic western medicine components

Includes anatomy, botany, medical chemistry, microbiology and immunology, pathology, pharmacology and toxicology, and physiology.

Clinical Chinese medicine components

Aetiology, pathogenesis, analysis, diagnosis and treatment of the following areas:

- » common internal medicine conditions
- » dermatological conditions
- » eye, ear, nose and throat conditions
- » gynaecological conditions
- » musculoskeletal conditions
- » paediatric conditions, clinical western medicine and professional issues components
- » clinical management and health promotion
- » diagnosis and differential diagnosis
- » professional issues
- » research methods.

Career outlook

The use of Chinese medicine outside China is rapidly increasing; there are many opportunities and a high demand for qualified practitioners. Graduates will be able to practise Chinese herbal medicine and acupuncture at an internationally-accepted level. Research in Chinese medicine is a newly emerging area and requires quality graduates to undertake research.

Professional recognition

This degree is approved by the Chinese Medicine Registration Board of Victoria, which is a statutory board under the Health Practitioners Registration Act (2005).

Graduates will be accepted by the Board, subject to continued accreditation, and upon graduation, can begin practice in Victoria.

The program is also recognised by the following professional bodies:

- » Chinese Medicine Registration Board of Victoria: www.cmr.vic.gov.au
- » Australian Acupuncture and Chinese Medicine Association (AACMA): www.acupuncture.org.au
- » Australian Natural Therapists' Association (ANTA): www.anta.com.au
- » Acupuncture Association of Victoria Inc. (AAV)
- » The Federation of Chinese Medicine and Acupuncture Societies of Australia Inc. (National Body): www.fcma.org.au

Global connections

Towards the end of your double degree, you will embark on a supervised clinical internship in China allowing you to experience first hand the modern practice of Chinese medicine in Nanjing University hospital.

The 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...

- » Acupuncture and Chinese manual therapy (page 131)
- » Biomedical science (page 131)
- » Chiropractic (page 133)
- » Exercise and sport science (page 133)
- » Nursing (pages 136–137)
- » Osteopathy (page 137)

CHIROPRACTIC D

BP187 *Bachelor of Health Science (Chiropractic)*
CRICOS code: 063581G

Duration: 3 years

www.rmit.edu.au/programs/bp187

BUNDOORA CAMPUS

The *Bachelor of Health Science (Chiropractic)* degree is designed to provide you with the knowledge and skills to enter into the professional clinical chiropractic master degree.

Chiropractors are trained in the diagnosis and management of patients who present for care. The chiropractic philosophy is about the relationship between the spine and nervous system and how they impact on the entire body in restoring and preserving optimal wellbeing.

Chiropractors perform appropriate patient assessment procedures and then use their highly-developed manual skills to treat the patient. Patient management often includes advice on nutrition, exercise, posture and other lifestyle adaptations. It may also include referring patients to other health care providers.

The RMIT chiropractic program has been a leader in the industry since 1975. It is the only university in Victoria to offer a chiropractic degree, and one of only three Australia wide.

Working with industry

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.

What you will study

Year one

The science component of this year includes the study of the structure and function of the human body. You are also introduced to relevant technology and the philosophy, history and principles of chiropractic practice. Hands-on experiences are provided in chiropractic diagnosis and management and human anatomy.

Year two

In second year, the study of chiropractic psychomotor skills, principles and biomechanics is continued and augmented. The introduction of physical assessment of patients is integrated with the basic science knowledge.

Year three

A heavy emphasis is placed on chiropractic diagnosis and management. By the end of this year, you will have a clear understanding of the structure and function of humans in health and disease. Diagnosis uses basic science information in the rational study of holistic approaches. Radiology is presented, including normal radiographic anatomy and the basic principles of recognising and interpreting normal and abnormal anatomy.

IMPORTANT – Please note

To become eligible to apply for registration as a chiropractor, students need to complete the *Bachelor of Health Science (Chiropractic)* and the *Master of Chiropractic* (two years full-time).

Career outlook

A career in chiropractic is an attractive proposition. Opportunities are plentiful in Australasia and in certain overseas locations for either private, self-employed practice or practice in a multidisciplinary setting.

RMIT chiropractic graduates are leaders in the profession in Australia and well represented in other countries including New Zealand, Scotland, Ireland, England, Canada, Hong Kong, Malaysia and Japan.

Professional recognition

RMIT is a member institution of the Council on Chiropractic Education Australasia (Inc). Accreditation has been granted to offer the bachelor and the two-year master degree. Completion of the three-year degree and the two-year master is necessary to be eligible to apply for registration as a chiropractor (subject to continued accreditation).

www.ccea.com.au

Graduates are eligible for membership with the New Zealand Chiropractors Registration Board; the General Chiropractic Council (Britain); and various state and provincial jurisdictions in the US, Canada and Hong Kong.

You may also be interested in...

- » Biomedical science (page 131)
- » Chinese medicine and human biology (page 132)
- » Exercise and sport science (page 133)
- » Osteopathy (page 137)

DISABILITY D

BP019 *Bachelor of Applied Science (Disability)*
CRICOS code: 012343M

Duration: 3 years

www.rmit.edu.au/programs/bp019

BUNDOORA CAMPUS

Please refer to page 73 for program details.

EXERCISE AND SPORT SCIENCE D

BP270 *Bachelor of Applied Science (Exercise and Sport Science)*
CRICOS code: 071866F

Duration: 4 years

www.rmit.edu.au/programs/bp270

BUNDOORA CAMPUS

This is your chance to make a real difference by working in sport, exercise, recreation and physical activity settings.

You will have the opportunity to gain knowledge and understand the important principles of exercise prescription, exercise management, exercise reconditioning, sports science, sports coaching, exercise for health and disability and community physical recreation.

A feature of the degree is the active engagement with exercise and sport sciences staff who are well connected with industry, research-active and adhere to a student-centred approach to learning. Campus facilities include the Bundoora Netball and Sports Centre Complex and the Exercise Science Laboratories with state-of-the-art facilities and equipment for physiology, exercise physiology, biomechanics and kinesiology. New synthetic playing fields have recently been completed at the campus, providing high quality teaching and recreation facilities.

Working with industry

You will complete field experience throughout the degree. The degree has strong links with the Victorian and Australian Institutes of Sport (VIS and AIS), sporting clubs, rehabilitation centres and other community exercise and health providers. You can also complete field experience by actively engaging in exercise and sport science research projects at RMIT or other venues, including:

- » elite athlete performance and skill learning
- » physical activity in school-aged children and people with intellectual disability
- » skeletal muscle adaptations to resistance training
- » effects of diet and exercise on skeletal muscle and exercise performance
- » effects of diet, exercise and behaviour in the development or treatment of obesity and diabetes.

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.

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 and four

The third and fourth years will advance your knowledge of exercise physiology, biomechanics, performance analysis, motor learning, exercise prescription, health and physical activity, and exercise and nutrition. The course encourages you to apply theory to practice through an extended 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.

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 approval, 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 sports science practitioners. 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 connections

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.

You may also be interested in...

- » Biomedical science (page 131)
- » Physical education (page 93)

LABORATORY MEDICINE



BP147 *Bachelor of Applied Science (Laboratory Medicine)*
CRICOS code: 048213B

Duration: 4 years

www.rmit.edu.au/programs/bp147

BUNDOORA CAMPUS

Laboratory medicine applies scientific investigations to diagnose, treat or better understand disease processes. It is estimated that up to 70% of clinical decisions made by doctors are based on information provided by medical scientists.

As a graduate of the laboratory medicine degree, 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 such as blood, urine, tissues and swabs to investigate, identify and treat diseases.

This is a four-year degree with a professional practice bursary on clinical placement (up to 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 and clinical biochemistry.

You will have flexibility in choosing your major course disciplines and the opportunity to study a discipline-focused laboratory medicine project in final year to increase research skills.

Working with industry

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 diagnostic pathway.

Laboratory medicine works in partnership with industry by interaction with industry representatives via teaching of practical classes at RMIT University, through a Program Advisory Committee that has industry representatives, and by regular meetings with professional bodies, AIMS, AACB and industry representatives.

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, 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 undertake general pathology and three major discipline streams including: haematology, clinical biochemistry, transfusion and transplantation science, cytopathology, histopathology, medical microbiology, gene technologies and applied biochemical methods.

In the second half of the year you 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 the 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 complete a further 20 weeks of supervised professional practice. On return to RMIT you complete compulsory courses in systemic pathology, medical genetics and diagnostics and a laboratory medicine project.

Career outlook

Medical scientists are in high demand. Graduates have excellent employment opportunities within Australia and overseas.

In 2010 there were 24 400 medical scientists in Australia, and in the last five years the industry has grown by 41.1 per cent.

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.

They can also be employed as technical sales representatives, or in research laboratories, academic universities, and scientific organisations such as CSIRO, CSL and forensic laboratories.

Source: ABS LFS, DEEWR trend data to May 2010.

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 connections

Each year, Laboratory Medicine sends students overseas for 10–13 weeks of professional practice in an approved overseas laboratory including placements in the UK, USA, Ireland, Singapore, Korea, and Sweden.

Pathway

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 are guaranteed entry into second year (equivalent to 120 credit points) of the *Bachelor of Applied 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:

- » *Diploma of Laboratory Technology (Pathology Testing)*
- » *Diploma of Laboratory Technology (Biotechnology)*

You may also be interested in...

- » Biomedical science (page 131)
- » Pharmaceutical sciences (page 139)

MEDICAL RADIATIONS

D

BP148P09MI *Bachelor of Applied Science (Medical Radiations)—Medical Imaging*

BP148P03NM *Bachelor of Applied Science (Medical Radiations)—Nuclear Medicine*

BP148P03RT *Bachelor of Applied Science (Medical Radiations)—Radiation Therapy*
CRICOS code: 002659G

Duration: 3 years

www.rmit.edu.au/programs/bp148

BUNDOORA CAMPUS

Medical radiations is a rapidly advancing healthcare discipline that 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 at undergraduate level, giving you the option to study in all medical radiations disciplines. 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 orthopedic 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, as well as conduct research.

Working with industry

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 12 months (48 weeks) of continuous professional practice to be eligible for full accreditation by either the Australian and New Zealand Society of Nuclear Medicine (ANZSNM) or Australian Institute of Radiography (AIR).

As a graduate, you can complete this requirement via the paid intern year. The Victorian Intern Program offers graduates a paid intern year in an approved Victorian workplace upon graduation.

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 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.

To practise in Victoria, you must fulfil the criteria for registration by the Medical Radiation Practitioners Board of Victoria.

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.

Australian-trained graduates also find work in the UK, Canada and other countries.

Source: ABS Labour Force Survey, DEEWR trend data to May 2010.

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). Nuclear medicine graduates satisfy all requirements for interim accreditation as awarded by the ANZSNM. Medical imaging and radiation therapy graduates satisfy all requirements for provisional accreditation by the AIR.

All graduates of these degrees must complete an intern year (or equivalent) to be eligible for full accreditation awarded by the ANZSNM or AIR.

www.anzsnm.org.au

www.air.asn.au

You may also be interested in...

- » Applied sciences (physics major) (page 153)
- » Biomedical science (page 131)

NURSING (REGISTERED)



BP032 *Bachelor of Nursing*
CRICOS code: 023212J

Duration: 3 years

www.rmit.edu.au/programs/bp032

BUNDOORA CAMPUS

The *Bachelor of Nursing* (Registered/Division 1) degree provides you with a sound theoretical and clinical foundation from which to follow your selected professional career path as a division 1 registered nurse.

Consisting of theory, nursing laboratory skills and clinical practice, the degree 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.

The degree features:

- » An orientation program that supports the transition to university life.
- » Clinical practice in each year of study and in a range of settings across metropolitan and rural areas.
- » Access to human cadavers that enables observation and anatomical location to support the biomedical and physical sciences.
- » Fully staffed clinical laboratories to enable extended student access for practice.
- » A strong emphasis on clinical laboratory learning that provides a rehearsal for practising clinical skills.
- » Three courses on mental health.
- » A professional development scheme for year three students to prepare you for graduate nurse employment.

Working with industry

You will have the opportunity to undertake clinical practice in a range of healthcare settings, including major metropolitan hospitals, community, rural and outback settings both in Victoria and interstate. Clinical placements occur in each 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 Austin Hospital, Box Hill Hospital, community mental health assessment teams, Children’s Hospital, Forensicare, maternal and child health clinics, Northern Hospital, Royal District Nursing, and St Vincent’s Hospital.

If you are interested in gaining an international perspective, overseas opportunities through student exchange and study abroad may be available.

When undertaking placements you are required to have a clear, current police check at the beginning of each academic year and to register annually with the Nurses Board of Victoria as a student enrolled in an accredited nursing bachelor degree.

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

Pathway

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...

- » Disability work (page 73)
- » Laboratory medicine (page 134)

NURSING (ENROLLED)

T

C5246 *Diploma of Nursing*
(Enrolled/Division 2 nursing)
CRICOS code: 072754F

Duration: 2 years

www.rmit.edu.au/programs/c5246

BUNDOORA CAMPUS

Enrolled nurses work under the direction and supervision of a registered nurse.

They help to provide acute, preventative, curative and rehabilitative care, including administering intravenous medications and medication administration.

Enrolled nurses can work in a variety of areas including acute, general, medical, surgical, rehabilitation, palliative care, mental health, operating theatres, pediatric, community or aged care settings.

The *Diploma of Nursing* is a national qualification, allowing you to work anywhere in Australia when registration is granted by AHPRA.

RMIT's *Diploma of Nursing* also offers the opportunity to further your qualifications with a pathway into the *Bachelor of Nursing* degree.

Working with industry

Supervised clinical placements provide an excellent opportunity to reinforce the theory and skills learnt in class.

During first year, you undertake six weeks of practical placement in aged care, rehabilitation centres and mental or community health settings.

In second year you 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 (Australian Health Practitioner Regulation Agency).

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 mannequins. 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.

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

Pathway

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 (division 1) (page 136)
- » Pathology (page 138)

OSTEOPATHY

D

BP238 *Bachelor of Applied Science*
(Complementary Medicine)
CRICOS code: 042821D

Duration: 3 years

www.rmit.edu.au/programs/bp238

BUNDOORA CAMPUS

The osteopathy degree provides you with the knowledge and skills to enter the professional osteopathy master program.

Osteopathy is a holistic discipline that focuses on the overall health of a patient by treating through the musculoskeletal system. Osteopaths are trained in diagnosis and take a full case history, perform conventional medical testing procedures and use their skill of palpation and motion testing to additionally diagnose a patient's condition. Osteopaths make their choice of treatment depending on the patient and the condition and may give advice on posture, exercise, lifting procedures, nutrition, as well as in other areas.

Working with industry

In the latter part of your degree, the Osteopathic Teaching Clinic in Bundoora allows you to observe and get involved in treating patients with conditions such as headaches, neck or back pain, or sore arms or legs.

What you will study

Year one

The objectives in year one are for you to be able to demonstrate fundamental technique, 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 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 assessment and the 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.

IMPORTANT—Please note

To become eligible to apply for registration as an osteopath, students need to complete the *Bachelor of Applied Science (Complementary Medicine)* degree and the *Master of Osteopathy* (two years full-time).

Career outlook

Specifically, the osteopathy bachelor degree provides the prerequisite qualification for entry into the osteopathy masters program. If you wish to practise as an osteopath in Australia you must complete the osteopathy masters program. Graduates who achieve a sufficiently high standard may also decide to go on to research.

As this degree has a high percentage of osteopathic-specific content, applicants not intending to progress to the *Master of Osteopathy* are advised to consider other options.

Professional recognition

An IELTS of 7.0 in all categories is required by the national registration board for graduates of the masters program that did not complete their high school education in English.

After completion of the masters program, graduates may register with the Osteopaths Board of Australia.

Graduates of the masters are recognised by all osteopathy registration bodies in Australia and New Zealand (subject to continued accreditation). Students are eligible to join the Australian Osteopathic Association (AOA) as student members for a minimal fee, and are entitled to discounts on AOA seminars, courses and convocation. Visit www.osteopathic.com.au. RMIT graduates of the masters program are also eligible to sit an examination to practise in the UK and Europe.

You may also be interested in...

- » Chiropractic (page 133)
- » Exercise and sport science (page 133)

PATHOLOGY TESTING

C5283 *Diploma of Laboratory Technology (Pathology Testing)*
CRICOS code: 073062D

Duration: 2 years

www.rmit.edu.au/programs/c5283

CITY CAMPUS

The *Diploma of Laboratory Technology (Pathology Testing)* will give you the practical skills and knowledge to pursue a technical career in pathology laboratories in private diagnostic laboratories and hospitals.

As a medical laboratory technician or medical laboratory assistant, you will conduct routine laboratory tests for pathologists, microbiologists/bacteriologists, biochemists, clinical chemists, pharmacologists and veterinarians.

Working under supervision, you may examine micro-organisms or changes in cells and tissues, or perform chemical analyses of blood and other body fluids. You may also assist in performing experiments for research into biochemical or genetic processes.

Class sizes are small and the staff-to-student ratio in laboratories allows opportunities for individual teaching. Teachers have extensive industry experience and expertise and maintain close links with colleagues in the industry.

RMIT has long been recognised by the pathology industry as providing quality training in the field.

Working with industry

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.

Pathway

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 153)
- » Biotechnology (TAFE) (page 154)
- » Laboratory medicine (page 134)

PHARMACEUTICAL SCIENCES

D

BP184 *Bachelor of Biomedical Science (Pharmaceutical Sciences)*
CRICOS code: 071867E

Duration: 4 years

www.rmit.edu.au/programs/bp184

BUNDOORA CAMPUS

Pharmaceutical science is 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 are applied in the context of the pharmaceutical industry to deliver improvements in 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 degree is industry engaged and gives you an ideal platform for a broad variety of careers in the biomedical sciences.

Working with industry

This degree has a strong focus on Work Integrated Learning. The final year of the course involves full-time employment 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, human physiology, biochemistry and molecular biology.

Year three

Year three focuses on pharmaceutical industry-related areas, including drug research and development, pre-clinical drug safety testing, clinical trials design and management, and drug regulations and therapeutics.

Year four (professional practice)

During professional practice, eligible students will receive a tax-free bursary awarded by the RMIT Foundation. RMIT has partnered with more than 30 therapeutic industry organisations such as:

- » Baker IDI Heart and Diabetes Institute
- » Bristol-Myers Squibb
- » CSL Bioplasma
- » GlaxoSmithKline Australia
- » RMIT Drug Discovery Technologies (RDDT)
- » 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 in the broader biomedical sciences job market, but with a major focus on the pharmaceutical industry.

The Australian pharmaceutical and related health industries are 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 also 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 connections

RMIT has strong links with a number of overseas research laboratories and companies. This will enable you to visit their facilities for a few weeks during your studies. These include the Centre for Cardiovascular Research, Humboldt University, Berlin and Centre for Psychiatry and Neuroscience, Descartes University, Paris.

Pathway

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 are guaranteed entry into second year (equivalent to 120 credit points) of the *Bachelor of Biomedical Science (Pharmaceutical Sciences)*.

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:

- » *Diploma of Laboratory Technology (Pathology Testing)*
- » *Diploma of Laboratory Technology (Biotechnology)*.

You may also be interested in...

- » Biomedical science (page 131)
- » Laboratory medicine (page 134)

Legend: D—Degree program AD—Associate Degree program T—TAFE program

Academic and English language entry requirements are listed on page 141–142. Details on teaching methods and assessment can be found on page 14.

PHYSICAL EDUCATION

D

BP041 *Bachelor of Applied Science
(Physical Education)*
CRICOS code: 012346G

Duration: 4 years

www.rmit.edu.au/programs/bp041

BUNDOORA CAMPUS

Please refer to page 93 for program details.

PSYCHOLOGY

D

BP154 *Bachelor of Applied Science
(Psychology)*
CRICOS code: 029765E

Duration: 3 years

www.rmit.edu.au/programs/bp154

CITY OR BUNDOORA CAMPUS

Psychology explores the science of the mind and human nature. You will examine mental states and processes and how they affect human behaviour.

As a psychology student you will gain strong theoretical and practical skills. The degree is the basis for further study for people who want to become practising psychologists or use their study in other careers.

RMIT's psychology degree is based on how human research applies to actual situations and is aimed at resolving real human problems.

Working with industry

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 practise.

www.psychreg.vic.gov.au

The *Bachelor of Applied Science (Psychology)* has been accredited with the Australian Psychology Accreditation Council until 2012, at which time RMIT will reapply for further accreditation for another full five years. RMIT has been accredited to deliver psychology programs for three decades.

You may also be interested in...

- » Criminal justice administration (page 73)
- » Disability (page 73)
- » Psychology (social science) (page 76)
- » Social work and psychology (page 77)
- » Statistics (page 159)
- » Youth work (page 79)

Minimum entry requirements

To look up the equivalent academic qualification for your country, go to page 164.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
BP267	<i>Bachelor of Health Science (Acupuncture and Chinese Manual Therapy)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>Applicants must be aware that there is a high weekly contact throughout the program, particularly in years four and five for clinical training. Students will participate in classes where the use of human cadavers, disrobing and touching of fellow students of both sexes for the purposes of teaching and learning will be required.</p> <p>Students are also expected to follow professional requirements such as behaviour, dress and attendance. Students must complete a National Police Records Check and a Working with Children Check before undertaking the practical components of this course.</p>
BP231	<i>Bachelor of Biomedical Science</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Chemistry and either Mathematics or Physics; VCE—Chemistry and Mathematics (any) or Physics.
BP147	<i>Bachelor of Applied Science (Laboratory Medicine)</i>				
BP184	<i>Bachelor of Biomedical Science (Pharmaceutical Sciences)</i>				
BP183	<i>Bachelor of Applied Science (Chinese Medicine)/Bachelor of Applied Science (Human Biology)</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>Applicants must be aware that there is a high weekly contact throughout the program, particularly in years four and five for clinical training. Students will participate in classes where the use of human cadavers, disrobing and touching of fellow students of both sexes for the purposes of teaching and learning will be required. Students are also expected to follow professional requirements such as behaviour, dress and attendance.</p>
BP019	<i>Bachelor of Applied Science (Disability)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	<p>Students must complete a National Police Records Check and Working with Children Check before undertaking the practical components of this course.</p>
BP270	<i>Bachelor of Applied Science (Exercise and Sport Science)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Two of Physical Education, Biology, Chemistry, Mathematical Methods (CAS), Specialist Mathematics or Physics.
BP238	<i>Bachelor of Applied Science (Complementary Medicine)—Osteopathy stream</i>				

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
BP041	<i>Bachelor of Applied Science (Physical Education)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Two of Biology, Chemistry, Mathematics, Higher Mathematics, Physics; VCE—Units 1 and 2—two units of general Mathematics or Mathematical Methods (CAS). Units 3 and 4—Two of Physical Education, Biology, Chemistry, Mathematical Methods (CAS), Specialist Mathematics or Physics. An interview may be required.
C5283	<i>Diploma of Laboratory Technology (Pathology Testing)</i>	Minimum 50% average	Completion of the Science, Engineering and Technology stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 5.5 with no individual band below 5.0; or » TOEFL (Paper-based) minimum 530 with Test of Written English (TWE) no less than 3.5; or » TOEFL (iBT) minimum overall score of 71 with a minimum of 17 in all sections; or » Successful completion of REW Upper Intermediate program. 	—
BP148	<i>Bachelor of Applied Science (Medical Radiations)—Medical Imaging</i> <i>Bachelor of Applied Science (Medical Radiations)—Nuclear Medicine</i> <i>Bachelor of Applied Science (Medical Radiations)—Radiation Therapy</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Mathematics or Higher Mathematics; VCE—Units 1 and 2—Chemistry or Biology; and one of Mathematical Methods (CAS) or Specialist Mathematics.
C5246	<i>Diploma of Nursing (Enrolled/Division 2 Nursing)</i>	Minimum 50% average	Completion of the Science, Engineering and Technology stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.0 with no individual band below 5.5; or » TOEFL (Paper-based) minimum 550 with Test of Written English (TWE) no less than 4.0; or » TOEFL (iBT) minimum overall score of 79 with a minimum of 19 in all sections; or » Successful completion of REW Advanced program. 	—
BP032	<i>Bachelor of Nursing</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	VCE—Units 1 and 2—Mathematics (any)
BP154	<i>Bachelor of Applied Science (Psychology)</i>				Mathematics; VCE—Units 1 and 2—Mathematics (any)
BP187	<i>Bachelor of Health Science (Chiropractic)</i>				To gain registration as a chiropractor in Victoria, this program must be packaged with MC143 <i>Master of Clinical Chiropractic</i> . Students are expected to follow professional requirements such as behaviour, dress and attendance. Students will also participate in classes where the use of human cadavers, disrobing and touching of fellow students of both sexes for the purposes of teaching and learning will be required.

Note that entry requirements are indicative minimum requirements only.

Supplementary forms, if required, are available on www.rmit.edu.au/programs/international/forms



INFLUENCE THROUGH SKILLED COMMUNICATION

You will be prepared for a fast-moving and constantly evolving career in media and communications through critical thinking, innovative leadership and the ability to adapt effectively to a rapidly changing field.

You may also receive opportunities to gain industry experience through RMIT's Workplace Integrated Learning Scheme.

RMIT media and communications graduates work around the world in television, radio, newspapers, corporations, government and not-for profit organisations.

Programs are available in the fields of:

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

Negotiate your way to wherever you want to go.

DID YOU KNOW?

RMIT's advertising school was recently ranked in YoungGuns International's top 10 advertising schools worldwide, coming in fifth place.

'The lecturers have been fantastic. I can see that they have a passion for what they are teaching which makes a huge difference to the learner. They are always helpful, approachable, and friendly. The media building is fantastic as well.'

**RYAN JAFARZADEH KHAMNEH, ENGLAND
BACHELOR OF COMMUNICATIONS (MEDIA)**

ADVERTISING

BP219 *Bachelor of Communication (Advertising)*
CRICOS code: 064394C

Duration: 3 years

www.rmit.edu.au/programs/bp219

CITY CAMPUS

Throughout the degree you will have the opportunity to develop problem-solving and analytical skills and will be challenged 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.

You will also develop the skills and knowledge to critically appraise these activities.

Working with industry

This degree has strong industry links and a commitment to work readiness. Students are 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. Students work on these 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
- » Communication debates and approaches
- » 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 can 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 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 connections

The advertising program exchanges students with the Danish School of Media and Journalism (DMJX) in Copenhagen. Three Australian students went to Denmark in 2010/11 and a number of Danish students will attend RMIT Advertising in 2011. This gives students invaluable exposure to a wide range of international industry partnerships, networks and work experiences.

You may also be interested in...

- » Marketing (pages 69–70)
- » Media (page 146)
- » Professional communication (page 147)
- » Public relations (page 147)

AUDIOVISUAL TECHNOLOGY



C4230 *Certificate IV in Audiovisual Technology*
CRICOS code: 065965J

Duration: 1 year

www.rmit.edu.au/programs/c4230

C5231 *Diploma of Audiovisual Technology*
CRICOS code: 065966G

Duration: 1 year

www.rmit.edu.au/programs/c5231

CITY CAMPUS

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 AV designs into presentations for screen or live events?

These programs provide training for work in production roles such as:

- » audio engineering
- » event management
- » technical direction
- » vision switching
- » camera operation
- » projection and lighting operation
- » design and installation

for:

- » television broadcasters
- » event production companies
- » universities and schools
- » infrastructure designers and installers.

working with industry

Certificate IV students complete one week (30 hours) of approved industry-based practical placement. Diploma students complete two weeks (70 hours) of approved industry-based practical placement.

What you will study

High school graduates 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 audio visual technological skills, including audio visual 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 audio visual industry. You will train in home theatre installation and design, broadcast news camera, short drama video production and editing, production lighting and audio visual 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, Carlton Audiovisual, Genezzano College, KLM Group, Melbourne Convention and Exhibition Centre, Methodist Ladies' College, Microhire, National Theatre, Revolution X, RMIT University, Rutledge Engineering, Staging Connections, Swinburne University, Tasman AV, Ten Network, Victorian Arts Centre.

You may also be interested in...

- » Music industry (page 147)
- » Sound production (page 149)

CREATIVE WRITING

D

BP257 *Bachelor of Arts (Creative Writing)*
CRICOS code: 065130G

Duration: 3 years

www.rmit.edu.au/programs/bp257

CITY CAMPUS

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.

Working with industry

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 and so on. Or it may involve 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 screenwriting.

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 screenwriting major, you will study the anatomy of a screenplay, scriptwriting, authorship, screenplay studio and narrative in the cinema, and a creative writing elective, as well as 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. However, the publishing industry in Australia has been highly supportive of Creative Writing at RMIT. The School of Media and Communication 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 145)
- » Professional communication (page 147)
- » Public relations (page 147)
- » Screenwriting (page 149)

JOURNALISM

D

BP220 *Bachelor of Communication (Journalism)*
CRICOS code: 048668D

Duration: 3 years

www.rmit.edu.au/programs/bp220

CITY CAMPUS

Journalism at RMIT is one of Australia's most highly regarded journalism university qualifications. The degree is recognised by the news media industry and by journalism academics around the country. 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. In a challenging employment environment, RMIT journalism graduates have a high success rate.

Working with industry

As well as a formal internship in third year, requests are received throughout the year from news organisations offering paid and voluntary work for our 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 graduates bring a broad academic grounding to their 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 connections

You may be able to study overseas for one or two semesters at universities in the UK, US, Canada and Europe.

You may also be interested in...

- » Professional communication (page 147)
- » Public relations (page 147)

MEDIA



BP221 *Bachelor of Communication (Media)*
CRICOS code: 048667E

Duration: 3 years

BP221ACC *Bachelor of Communication (Media)*
CRICOS code: 055813G

Duration: 2.5 years (July only)

www.rmit.edu.au/programs/bp221

CITY CAMPUS

This degree provides the skills and knowledge that will enable you to meet the challenges posed by contemporary media. The degree emphasises project and collaborative work and integrates practical production with creative practice, critical reflection and individual experimentation in a context of solid professional and industry knowledge.

Graduates of this degree are creative thinkers and problem-solvers who are employable across a wide range of industry sectors. The degree's distinctive integration of professional training and academic study exposes you to all facets of production, as well as allowing you to learn how to analyse media products in broader historical, critical and cultural contexts. In the core professional stream, you will learn all facets of the production process, from writing to scripting, shooting, sound and image recording and editing, broadcasting, and publishing.

Working with industry

There are many opportunities for production beyond the classroom. RMITV is a student-run television station broadcasting on Melbourne-based Channel 31. Media students also work with independent radio broadcasters 3RRR FM and SYN FM, as well as with the ABC. Final year media students work on a variety of industry-linked projects and undertake 80 hours of professional work attachment.

Course content is further complemented with guest lectures by external industry professionals.

What you will study

The degree consists of three strands—professional, communication and contextual studies.

In the first year of the professional strand, you will study how to read, write and publish work—using text, audio and video—in traditional and digital, online, converged and networked media. You will also explore the creative and critical application of these skills in a wide range of areas relevant to academic study and the media industries. You will apply these media literacies to more specialised contexts in second year, when you will choose either television or radio as a professional specialisation, and study emerging areas such as networked and interactive media.

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. Students 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, radio, screen culture, internet and mobile media industries meets regularly to ensure this degree's relevance to these industries.

You may also be interested in...

- » Journalism (page 145)
- » Professional communication (page 147)
- » Screen and media (page 148)

MUSIC INDUSTRY

BP047 *Bachelor of Arts (Music Industry)*
CRICOS code: 065131G

Duration: 3 years

www.rmit.edu.au/programs/bp047

CITY CAMPUS

This degree enables you to interrogate the disciplines of the music industry through practical, theoretical and conceptual investigations. You will develop knowledge and skills in music performance, sound recording and production, and music business.

The degree offers you the opportunity to continue developing skills associated with working in the music industry.

The degree includes: courses dealing with current issues and practices in the music industry; optional courses in either performance practice and presentation skills or specific business areas; linked concept development and fully realised projects; and 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 music industry practice, the global musician, concept development, music style overview, and performance or business electives.

Year three

Major project and production, and elective, practical experience: semester-long industry placement for the second half of final year.

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 144)
- » Sound production (page 149)
- » Fine art (page 46)

PROFESSIONAL COMMUNICATION

BP222 *Bachelor of Communication (Professional Communication)*
CRICOS code: 048778J

Duration: 3 years

BP222ACC *Bachelor of Communication (Professional Communication)*
CRICOS code: 048722C

Duration: 2.5 years

www.rmit.edu.au/programs/bp222

CITY CAMPUS

Experience three key aspects of communication and gather a broad range of skills that could see you enter any number of professional communications fields.

RMIT delivers one of the premier professional communications degrees in Australia.

Through experiencing journalism, media production and public relations, you will be gaining a career-oriented degree that 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 and related fields associated with public relations, journalism and media production.

What you will study

The degree comprises three groups of courses: communication studies, professional studies and contextual studies. Students complete compulsory courses in communication studies and also in journalism, media production and public relations. In the third year of the degree, students choose to specialise in one or two professional areas choosing courses from journalism, public relations and media production. Students 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. Students 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 144)
- » Creative writing (page 145)
- » Journalism (page 145)
- » Marketing (pages 69–70)
- » Media (page 146)
- » Public relations (page 147)
- » Screenwriting (page 149)

PUBLIC RELATIONS

BP223 *Bachelor of Communication (Public Relations)*
CRICOS code: 048666F

Duration: 3 years

www.rmit.edu.au/programs/bp223

CITY CAMPUS

Do you want to know more about how organisations interact with people and the world around them? Advising organisations on how to enhance their working relationships and reputation locally, and sometimes internationally, is at the heart of modern PR.

A PR degree at RMIT prepares you for the increasingly globalised, technology-driven world of PR, working in corporate, government, not-for-profit or consultancy environments.

You will gain professional skills and knowledge, including in professional writing techniques, media and stakeholder relations, strategy and research, with an emphasis on problem solving, creativity, and project and relationship management.

You will be exposed to other fields of applied communication practice, to reinforce the convergence of the industries, and to equip you for the 21st century world of professional communication.

What you will study

The degree comprises three strands:

Professional strand

You will find out why and how organisations use PR, as well as how to gauge the effectiveness of PR. You will also learn about professional protocols and ethics.

You will build written and verbal communication skills, using a variety of communication media. You will also gain an understanding of social, political, business and communication issues and environments, which will help you identify the goals and needs of employers and clients. Opportunities to build your critical and analytical skills will prepare you for leadership roles in industry.

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 from 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. Sometimes students work in large or small groups and sometimes individually. Students have the opportunity to apply the knowledge and skills they 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 assess your progress toward learning outcomes as well as your achievement of 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.

Public relations careers usually start at junior consultant or officer/coordinator level and extend up to senior manager or consultant, director and, sometimes, chief executive officer.

You may also be interested in...

- » Creative writing (page 145)
- » Journalism (page 145)
- » Marketing (pages 69–70)
- » Professional communication (page 147)
- » Public relations (page 147)

SCREEN AND MEDIA



C5216 *Diploma of Screen and Media*
CRICOS code: 065160B

Duration: 1 year
www.rmit.edu.au/programs/c5216

C6087 *Advanced Diploma of Screen and Media—Multimedia*
CRICOS code: 066599G

C6087 *Advanced Diploma of Screen and Media—Screen*
CRICOS code: 066599G

Duration: 1 year
www.rmit.edu.au/programs/c6087

CITY CAMPUS

The screen and media programs are designed to build valuable skills and knowledge related to the screen industry in the key areas of concept development, storytelling, pre-production, production and post-production for single camera and multi-camera productions.

Throughout the programs, there is a strong emphasis on industry knowledge, collaboration, team building and professionalism. Each program provides a broad range of classes and screenings, as well as computer lab, location and studio-based exercises and productions.

With access to a range of professional equipment and facilities, you are actively encouraged to develop and produce innovative screen content to an industry standard.

You must successfully complete the diploma before progressing to the advanced diploma.

What you will study

Applicants will typically apply for the diploma and complete the suite of two programs over two years full-time.

Diploma

The diploma prepares you to use a range of technical or managerial competencies to plan, carry out and evaluate your own work and that of a team in the screen and media industries.

Areas covered:

- » camera and multi-camera
- » directing
- » editing
- » genre studies
- » networking
- » production management
- » post-production
- » screenwriting
- » sound
- » special effects (VFX).

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

Here, you will be introduced to cinematography (16 mm and video) and cover post-production sound, as well as art direction and design, specifically to assist with 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.

Teaching methods

Classes are taught in a combination of lecture, tutorial, workshop, location, studio, practical and laboratory sessions.

Assessment

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

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 with many graduates working at companies such as Australia's Network 10 and Channel 9.

Pathway

Graduates of the *Diploma of Screen and Media* may progress to the *Advanced Diploma of Screen and Media*.

- » 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 Arts (Games Graphics Design)* 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.
- » Graduates of the multimedia plan will be eligible for entry into the *Bachelor of Arts (Digital Art)* with up to 96 credit points of advanced standing. Additional requirements apply.

You may also be interested in...

- » Media (page 146)

SCREENWRITING



C6088 *Advanced Diploma of Screenwriting*
CRICOS code: 067023F

Duration: 2 years

www.rmit.edu.au/programs/c6088

CITY CAMPUS

RMIT has earned a reputation as the place to study for screenwriters serious about breaking into the industry. It is also the place for filmmakers and production companies to look for trained, talented and creative new writers.

The program provides specialist training in writing for film, television and digital media across all genres. While encouraging you to develop your own creative strengths, it exposes you to the professional context for screenwriters, including the make-up of local and international industries, professional practice, analysis of entry points and career management.

All teachers come from the industry, and are actively involved in writing, production or media. Local practitioners are invited as guest speakers to share their experience with you, and all students have the opportunity to work with mentors in leading companies and on all types of productions.

What you will study

In the first year you will be provided with a comprehensive grounding in writing for film, television and digital media.

In the second year you are encouraged to develop your own creative strengths through specialist training across a wide range of genres. The program also exposes you to the professional context in which you will work as a screenwriter, including the make-up of local and international industries, professional practice, marketing your projects and career management.

Teaching methods

Classes are taught in a combination of lecture, seminar, workshop, practical and laboratory sessions.

Career outlook

Graduates may secure jobs in the film, television and digital media industries as screenwriters, story editors, script editors, researchers, writer/producers, copywriters/script developers in digital media and advertising, screenwriting teachers/tutors, script assessors and in film development roles.

Pathway

- » Graduates will be eligible for entry into the *Bachelor of Communication (Media)* with up to 144 credit points of advanced standing. Additional requirements apply.
- » Graduates will be eligible for entry into the *Bachelor of Arts (Fine Art)* with up to 96 credit points of advanced standing. Additional requirements apply.

You may also be interested in...

- » Advertising (page 144)
- » Creative writing (page 145)
- » Journalism (page 145)
- » Public relations (page 147)
- » Screen and media (page 148)

SOUND PRODUCTION



C4276 *Certificate IV in Sound Production*
CRICOS code: 073147K

Duration: 1 year

www.rmit.edu.au/programs/c4276

C6104 *Advanced Diploma of Sound Production*
CRICOS code: 073197M

Duration: 1 year

www.rmit.edu.au/programs/c6104

CITY CAMPUS

This program provides training in the theory and practice of audio engineering, focusing on both technical and creative aspects. The program uses modern industry-standard equipment, allowing you to develop essential skills for multiple technologies.

You must successfully complete the certificate IV before progressing to the advanced diploma.

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 144)
- » Music industry (page 147)
- » Fine art (sound art) (page 46)

To view RMIT student works and galleries, visit www.rmit.edu.au/dsc

Legend: **D**—Degree program **AD**—Associate Degree program **T**—TAFE program

Academic and English language entry requirements are listed on page 150–151. Details on teaching methods and assessment can be found on page 14.

Minimum entry requirements

To look up the equivalent academic qualification for your country, go to page 164.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
C6088	<i>Advanced Diploma of Screenwriting</i>	Minimum 50% average	Completion of the Media and Communication stream with a minimum 50% average for best four academic courses (subjects) and minimum 55% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 5.5 with no individual band below 5.0; or » TOEFL (Paper-based) minimum 530 with Test of Written English (TWE) no less than 3.5; or » TOEFL (iBT) minimum overall score of 71 with a minimum of 17 in all sections; or » Successful completion of REW Upper Intermediate program. 	—
C4276	<i>Certificate IV in Sound Production</i>	Minimum 50% average			The successful completion of the <i>Certificate IV in Sound Production</i> program is a prerequisite for entry into the <i>Advanced Diploma of Sound Production</i> .
C6104	<i>Advanced Diploma of Sound Production</i>				
C4230	<i>Certificate IV in Audiovisual Technology</i>	Minimum 50% average	Completion of the Art, Design and Architecture stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 5.5 with no individual band below 5.0; or » TOEFL (Paper-based) minimum 530 with Test of Written English (TWE) no less than 3.5; or » TOEFL (iBT) minimum overall score of 71 with a minimum of 17 in all sections; or » Successful completion of REW Upper Intermediate program. 	The successful completion of the <i>Certificate IV in Audiovisual Technology</i> program is a prerequisite for entry into the <i>Diploma of Audiovisual Technology</i> program.
C5231	<i>Diploma of Audiovisual Technology</i>				
C5216	<i>Diploma of Screen and Media</i>	Minimum 50% average	Completion of the Art, Design and Architecture or Media and Communication stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 5.5 with no individual band below 5.0; or » TOEFL (Paper-based) minimum 530 with Test of Written English (TWE) no less than 3.5; or » TOEFL (iBT) minimum overall score of 71 with a minimum of 17 in all sections; or » Successful completion of REW Upper Intermediate program. 	A portfolio is required.
C6087	<i>Advanced Diploma of Screen and Media—Multimedia</i> <i>Advanced Diploma of Screen and Media—Screen</i>				
BP257	<i>Bachelor of Arts (Creative Writing)</i>	Minimum 70% average	Completion of the Media and Communication stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Applicants must submit: <ul style="list-style-type: none"> » a 400–500 word statement on why they wish to undertake the program; » their personal CV with 2 written references; and » a sample of their writing (max 1000 words) which can be factual, creative, or a combination.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
BP219	<i>Bachelor of Communication (Advertising)</i>	Minimum 70% average	Completion of the Art, Design and Architecture stream or the Media and Communication stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	A portfolio is required. Applicants are also required to submit a written response to set questions in the <i>Bachelor of Communication</i> selection test (refer supplementary forms website).
BP220	<i>Bachelor of Communication (Journalism)</i>	Minimum 70% average	Completion of the Media and Communication stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Applicants are also required to submit a written response to set questions in the <i>Bachelor of Communication</i> selection test (refer supplementary forms website).
BP221	<i>Bachelor of Communication (Media)</i>				
BP221ACC	<i>Bachelor of Communication (Media)</i>				
BP222	<i>Bachelor of Communication (Professional Communication)</i>				
BP222ACC	<i>Bachelor of Communication (Professional Communication)</i>				
BP223	<i>Bachelor of Communication (Public Relations)</i>				
BP047	<i>Bachelor of Arts (Music Industry)</i>	Minimum 70% average	Completion of the Art, Design and Architecture stream with a minimum 70% average for best four academic courses (subjects) and minimum 70% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Applicants must complete a supplementary form.

Note that entry requirements are indicative minimum requirements only.

Generally, a portfolio presentation should comprise 15 to 30 pieces of your own personal work. Some disciplines have specific portfolio requirements (see above). Portfolios may be submitted in the form of a CD-ROM, preferably in PDF, JPEG, SWF, DCR or QuickTime format suitable to be read on Mac OSX or later. Colour hard copy folios may be acceptable for some disciplines. Electronic file sizes should be no larger than 10MB. The portfolio should contain a variety of your personal work in art, design or media which demonstrates your creative and conceptual and technical abilities. Pieces can include drawings, paintings, graphic designs, sculpture, video, scripting, short stories, and/or 2D and 3D Flash animation. We recommend you clearly annotate each work with supportive information that will assist the selection officer to understand the purpose and background of each piece. The CD must be attached in a separate folder and clearly labelled with name and contact details. Portfolios will not be returned.

If applying for sound, you are required to supply a compiled selection of your work on either CD or DAT totalling no more than ten (10) minutes. CDs must contain audio files capable of being played directly through domestic CD players.

If applying for media arts, you are required to supply a compiled selection of work on either DVD or website URL totalling no more than ten (10) minutes. Scripts and storyboards should not be supplied, although they may be optionally presented at interview. Specific requirements for electronic media and collaborations are outlined on the website.

Supplementary forms, if required, are available on www.rmit.edu.au/programs/international/forms

FUEL CHANGE THROUGH SCIENCE

RMIT's science programs are connected, relevant and focused on helping you make an impact in your chosen field.

Employment opportunities are everywhere as science graduates are 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:

- » applied sciences
- » biotechnology
- » chemistry
- » food technology and nutrition
- » geospatial science
- » mathematics and statistics
- » nanotechnology
- » physics
- » surveying.

No other field can match the potential to save lives, preserve the environment and improve the way we live, like science can.

'I chose RMIT because it has very practical work-related courses, a convenient location and a friendly environment. I have gained a good understanding of the food industry as well as skills and experience through work placement. I hope to work in the food innovation field, using developments in food science to help reduce poverty and hunger.'

**RUVINI SAHABANDU, SRI LANKA
DIPLOMA OF FOOD SCIENCE AND TECHNOLOGY**

APPLIED CHEMISTRY/ CHEMICAL ENGINEERING

D

BP225 *Bachelor of Science (Applied Chemistry)/Bachelor of Engineering (Chemical Engineering)*

Duration: 5 years
CRICOS code: 055827B

www.rmit.edu.au/programs/bp225

CITY CAMPUS

Please refer to page 98 for program details.

APPLIED CHEMISTRY MANAGEMENT

D

BP160 *Bachelor of Science (Applied Chemistry)/Bachelor of Business (Management)*
CRICOS code: 038957M

Duration: 4 years
www.rmit.edu.au/programs/bp160

CITY CAMPUS

This program is designed to enable graduates to fulfil their changing roles in the workplace as they progress through their careers from working in the laboratory or in industry before moving into management roles.

Graduates of the program will be knowledgeable in the fields of chemistry and management and able to work in both scientific and management roles.

Why double-up?

Most of the key roles in chemical industries and in chemical-related government bodies are held by chemistry graduates. You will have the chemistry skills needed to be a practising scientist and the business skills to be an effective manager and leader—a highly attractive combination for employers.

You will be on top of the policy and regulations relevant to your industry and be able to develop strategies, plan resources and make new ideas commercially viable.

Working with industry

The final year projects will give you the opportunity to work on industry-based problems, and work placements are available within the management stream. Laboratory experiments are also carried out in all four years of the degree.

In addition, selected students in their third year 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 both science and management courses. Science electives enable you to specialise in areas such as medicinal chemistry, environmental chemistry or food chemistry. Management electives enable you to specialise in areas such as accounting, employee relations and international management.

In the fourth year, you will undertake a major laboratory-based project that gives you the opportunity to create products and investigate real-world problems.

Career outlook

Graduates are employed in a range of chemical industries in Australia and will be qualified to work in commercial development and product testing, particularly in the areas of manufactured goods, medical drugs, and natural products.

Graduates often find work in cosmetics companies or in the food industry. Employment in the defence services, mining and energy industries are also common. Graduates may also find work in policy, research, public relations and marketing roles in scientific consultancies, government departments and commercial laboratories.

Professional recognition

This double degree is recognised by the Royal Australian Chemical Institute and the Australian Institute of Management.

You may also be interested in...

- » Applied chemistry/chemical engineering (page 98)
- » Applied science (page 153)
- » Environmental science/management (page 126)
- » Nanotechnology/applied sciences (page 158)

APPLIED SCIENCE

AD

AD012 *Associate Degree in Applied Science*
CRICOS code: 071869C

Duration: 2 years
www.rmit.edu.au/programs/ad012

CITY CAMPUS

The *Associate Degree in Applied Science* is designed to provide you with the knowledge and skills to enhance your employability in the biotechnology, food and biomedical industries. The associate degree offers two major streams in food science and biomedical science, both of which are undergoing rapid technological advancements worldwide.

Working with industry

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

The first year provides you with underpinning technical skills and knowledge in a broad range of applied sciences, as well as scientific reading, writing and research skills. By the end of first year you will be able to perform confidently in a biological, chemical or food laboratory.

Year two

The second year specialises more in your chosen stream, building on first year achievements. The food science students will manufacture, evaluate and test a variety of food products for quality and safety as well as studying human nutrition. The biomedical stream students will isolate, purify, amplify and characterise DNA and perform techniques such as chromatography and electrophoresis. You will also become competent at tissue and cell culture as it is applied in biotechnology and medical laboratories.

Career outlook

Depending on the stream you select, the associate degree offers you a qualification in either food science or biomedical science. The food science stream will equip you with the highly developed practical skills needed to work in the food industry, in particular food handling and processing. The biosciences stream is a broad-based training program for students who want a technical career in diagnostics, medical research, veterinary, biological research or biotechnology laboratories.

Professional recognition

Membership of professional bodies will be relevant to the stream selected. 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 of the Australian Institute of Food Science and Technology.

Pathway

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 following programs:

- » *Bachelor of Science (Food Technology and Nutrition)*
- » *Bachelor of Science (Biotechnology)*
- » *Bachelor of Science (Applied Sciences)*

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 are guaranteed entry into second year (equivalent to 120 credit points) of the following programs:

- » *Bachelor of Biomedical Science (Laboratory Medicine)*
- » *Bachelor of Biomedical Science (Pharmaceutical Sciences)*
- » *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...

- » Civil engineering (page 104)
- » Electrical/electronics (page 111)
- » Mechanical engineering (pages 115–116)
- » Network engineering (page 117)

BIOTECHNOLOGY

BP226 *Bachelor of Science (Biotechnology)*
CRICOS code: 056416B

Duration: 3 years

www.rmit.edu.au/programs/bp226

CITY CAMPUS

Graduates in this field are involved in applying the latest techniques in molecular biology and genetics to a wide range of problems, such as diagnosing genes that cause cancer, making crops and livestock less liable to disease and making food safer.

RMIT's biotechnology degree was the first in Australia (in 1986) and continues to lead the field. All students undertake practical classes that in later years simulate the type of work performed in the workforce and so become job-ready at graduation.

Working with industry

You will undertake projects, sometimes with summer scholarships, in external workplaces or research or teaching laboratories that will develop your workplace skills and show your 'hands-on' skills. 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, four students received scholarships from Department of Primary Industries to help develop drought and disease resistant crops in 2010/11. Industry lecturers in final year are a regular feature and impart real-world 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 technique (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 searching 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, AQIS, Police Forensics, research institutes for human, animal and crop health, biosecurity, universities, hospitals) and in private industry (fermentation, food, biotechnology, cell products, vaccines, e.g. CSL). With more industry experience, graduates have become statewide 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 precisely 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 connections

Students may undertake a semester of study in an overseas university that is credited to their degree, in countries of the EU or America, through Study Abroad, e.g. Oxford Brookes University, UK.

Pathway

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 programs may also be eligible to apply for exemptions:

- » *Diploma of Laboratory Technology (Pathology Testing)*
- » *Diploma of Laboratory Technology (Biotechnology)*.

You may also be interested in...

- » Applied science (page 153)
- » Chemical engineering/biotechnology (page 101)

BIOTECHNOLOGY



C5282 *Diploma of Laboratory Technology (Biotechnology)*
CRICOS code: 073063C

Duration: 2 years

www.rmit.edu.au/programs/c5282

CITY CAMPUS

The *Diploma of Laboratory Technology (Biotechnology)* will give you a broad base of scientific knowledge with specialist molecular biology skills, along with the practical skills to work as a technician in the biotechnology industry. The program will also prepare you for further study in a range of related degrees.

Biotechnologists use knowledge of living systems to develop ways to solve important practical problems—from controlling disease to making the environment safer. You will provide technical support to scientists working in a range of areas including, research, production and testing positions in government and commercial laboratories and in the field.

Classes are held in small groups of up to 30 students to maximise the interaction between students and staff. Teachers have extensive industry experience and expertise and maintain close links with the biotechnology industry.

All students do work placement of 20 days organised by RMIT to get practical experience.

Working with industry

You will undertake 20 days of work placement during the second year. Placements are organised by RMIT.

This gives you a greater insight into the industry and allows you to further 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 laboratories, ranging from small research laboratories to large biotechnology companies.

What you will study

Year one

The first year of the program provides a foundation in biochemistry, biology, chemistry, computing, mathematics, occupational health and safety and scientific communication.

You also learn general laboratory skills, such as microscopy, aseptic techniques, chemistry techniques and the use of laboratory instruments. You also develop relevant practical skills such as how to detect and isolate a specific gene from a biological sample with the aim of identification.

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 as well as gain a strong foundation in molecular genetics and specialised biochemical procedures.

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, 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.

Pathway

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 153)
- » Biotechnology (page 154)

CHEMICAL ENGINEERING/ BIOTECHNOLOGY

D

BP159 *Bachelor of Engineering (Chemical Engineering)/
Bachelor of Science (Biotechnology)*
CRICOS code: 040057G

Duration: 5 years

www.rmit.edu.au/programs/bp159

CITY AND BUNDOORA CAMPUS

Please refer to page 101 for program details.

FOOD SCIENCE AND TECHNOLOGY

T

C5184 *Diploma of Food Science
and Technology*
CRICOS code: 056781C

Duration: 2 years

www.rmit.edu.au/programs/c5184

CITY CAMPUS

Food technologists can undertake a range of roles including testing food products for quality and safety, product development, and overseeing food production and quality assurance. As an example, they may check the quality and consistency of fresh fruit juices.

The *Diploma of Food Science and Technology* will give you the highly-developed practical skills in science and food handling needed to work in the food industry or prepare you for further study in a range of related degrees.

RMIT's food technology laboratories have a wide range of industry standard equipment for the production, testing and packaging of food products. RMIT is the only institution offering the full range of food technology courses, providing training for many different industries.

You will learn in small groups of up to 30 students to provide you with maximum opportunity for interaction with staff. The teachers are experienced industry professionals and their skills are supplemented by visiting specialist speakers and industry visits.

Working with industry

You will undertake 20 days of work placement during the second year of the program. This provides you with the opportunity to gain a greater understanding of the industry and to further develop your skills in an area that also requires teamwork, attention to quality control and working to timelines.

What you will study

Year one

The first year provides you with broad knowledge and training in general laboratory and food technology skills. Courses include chemistry, food analysis, introduction to food technology, food microbiology, packaging, quality management, and occupational health and safety.

You will learn a range of analytical techniques for testing food as well as the production of a range of food products such as cheese, ice cream, meat and fish products, dried fruit and vegetables. Also included is the study of the sensory evaluation of food and introduction to nutrition and diet and methods of food preservation.

Year two

Second year builds on these basic skills as well as more detailed study of nutrition and biochemistry of food.

Another set of food production courses will cover the manufacturing of products including margarine, beer and cereal products. You will learn to use equipment for grinding seeds and grains, extracting oils, canning, dehydration, smoking and packaging foodstuffs.

Other courses include nutrition, food testing, food additives and food safety. Legislation, reporting and career planning are also included. There is an emphasis on gaining practical skills used in the food industry.

Teaching methods

Classes are taught in a combination of lecture, seminar, workshop, practical and laboratory sessions.

Career outlook

Food manufacturing is one of the largest manufacturing sectors in Victoria and is always looking for suitably trained and qualified technical staff.

Professional recognition

Eligible for student membership of the Australian Institute of Food Science and Technology and on graduation, eligible for associate membership.

Pathway

Graduates who are successful in gaining a place may apply for from the *Bachelor of Science (Food Technology and Nutrition)*.

You may also be interested in...

- » Biotechnology (TAFE) (page 154)
- » Food technology and nutrition (page 156)

FOOD TECHNOLOGY AND NUTRITION



BP199 *Bachelor of Science (Food Technology and Nutrition)*
CRICOS code: 048768M

Duration: 3 years

www.rmit.edu.au/programs/bp199

CITY CAMPUS

The food technology and nutrition program is about the science of large-scale food manufacturing and making it safe and nutritious to meet consumers' needs. This program offers you the opportunity to learn the application of science in a socially responsible way and the skills required to develop goods and services for the marketplace to meet those needs.

This program prepares you for work in a broad range of roles in the food industry. You are trained in the full range of theoretical and practical aspects of food science and technology, and nutrition. You will be able to develop novel, healthy and functional food products that meet the consumer demands and comply with government and industry's strict safety and health guidelines.

RMIT prioritises practical learning environments. This program is unique in helping you develop practical hands-on skills in a pilot plant setting that simulates industrial production. All courses in this program have face-to-face interaction as well as online teaching and learning facilities that make your learning flexible and student centred.

Working with industry

You will undertake a short work placement in the second year of the program which will provide you with the opportunity to gain a greater understanding of the industry and further develop your skills.

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 fourth semester. In the food technology stream, you learn to turn raw materials such as milk and cereal grains into food products such as 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.

Professional recognition

Graduates of both streams are eligible for AIFST (Australian Institute of Food Science and Technology) membership and nutrition stream graduates are also eligible to apply for registration as a nutritionist with the Nutrition Society of Australia.

Global connections

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.

Pathway

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 programs may also be eligible to apply for exemptions:

- » *Diploma of Food Science and Technology*

You may also be interested in...

- » Food technology and nutrition/chemical engineering (page 114)

FOOD TECHNOLOGY AND NUTRITION/ CHEMICAL ENGINEERING



BP236 *Bachelor of Science (Food Technology and Nutrition)/Bachelor of Engineering (Chemical Engineering)*
CRICOS code: 055814G

Duration: 5 years

www.rmit.edu.au/programs/bp236

CITY CAMPUS

Please refer to page 114 for program details.

GEOSPATIAL SCIENCE



BP087 *Bachelor of Science (Geospatial Science)*
CRICOS code: 071871J

Duration: 4 years

www.rmit.edu.au/programs/bp087

CITY CAMPUS

Geospatial science 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.

Geospatial science is a specialised discipline, so you enjoy the advantage of small class sizes, focused content and staff that are easily accessible. We maintain strong links with industry and members of the profession regularly participate in our teaching programs.

While you will find elements of geospatial science in other programs, RMIT offers the only four-year undergraduate degree in Victoria. We also have a dedicated field station at Yarra Bend Park to support our practical work.

To support students, we have a first year transition program, academic coordinators for each year level and a strong Geospatial Science Student Association.

Working with industry

Many of our activities are guided by industry. For example, you will undertake an exercise based on the Yarra Bend Park Strategy Plan. You survey an area of the park, then model, design and illustrate an amphitheatre to suit the local environment.

Students are also expected to complete 60 days work experience during their program. This is usually in the form of paid employment during vacation periods or as a part-time employee. Students can receive assistance in finding a placement.

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.

Teaching methods

Classes are taught in a combination of lecture, seminar, tutorial, workshop, studio, practical and laboratory sessions. Students learn core information in lectures, followed by extensive small group practical exercises.

Career outlook

Our 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 (see www.spatialjobs.com.au). Over 90% of graduates are typically employed within three months of completing their studies.

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.

Global connections

Opportunities exist to go on exchange with universities in Stockholm, Sweden and Vienna, Austria.

You may also be interested in...

- » Environmental science (page 124)
- » Surveying (page 160)
- » Urban and regional planning (page 127)
- » Civil engineering (page 104)

MATHEMATICS

D

BP083 *Bachelor of Science (Mathematics)*
CRICOS code: 067839K

Duration: 3 years

www.rmit.edu.au/programs/bp083

CITY CAMPUS

Mathematicians apply their problem-solving skills to problems across a wide variety of fields, including banking and finance, environmental modelling (resources, biodiversity, weather and climate), information security (coding, cryptography) and engineering (fluid mechanics, optimising industrial processes).

This degree focuses on applying maths to real-world problems to enhance the program's employment focus. You will make practical use of industry-relevant computer software packages.

RMIT differs from many universities in that you are enrolled in a mathematics degree from day one, as opposed to a generalist science degree. You will be well supported by a peer-mentoring system.

This degree is ideal if you are interested in:

- » using numbers and formulas to solve problems
- » finding logical and creative solutions
- » advanced computational skills that will set you apart from graduates in business or commerce.

Working with industry

During the third year you will undertake a project that is linked directly to industry and many students go on to future employment with the organisations that they work for.

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 mathematics, together with several courses from one of four specialisations:

- » environmental modeling
- » 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 by 3.5% each year from 2006–2013. 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 to the Australian Mathematical Society.

You may also be interested in...

- » Statistics (page 159)

NANOTECHNOLOGY/ APPLIED SCIENCES

BP247 *Bachelor of Science (Nanotechnology)/Bachelor of Science (Applied Sciences)*
CRICOS code: 060826E

Duration: 4 years

www.rmit.edu.au/programs/bp247

CITY CAMPUS

The double degree in nanotechnology and applied science will provide you with a strong grounding in nanotechnology, the science and engineering of materials less than a micrometre in size, across the disciplines of physics and chemistry with substantial biology and engineering components. It provides you with the perfect opportunity to become part of this new and rapidly growing area of science.

Graduates of this double degree are skilled scientists who design and engineer materials, machines and systems capable of imaging and manipulating single molecules or atoms, together with materials that have useful, and surprising, properties at this size.

Why double-up?

RMIT's four-year double degree reflects the multidisciplinary nature of the subject, combining majors in nanotechnology and either physics or chemistry.

The degree encompasses physical, chemical, biological and engineering nanoscience/nanotechnology, with a strong emphasis on instrumental training and communication.

Working with industry

The Science Project and the Professional Scientist will prepare you for work through a series of lectures on professional, legal, and social aspects of the workplace, and experience gained from short projects performed about or with a relevant industrial organisation.

What you will study

In the first year of study you will undertake chemistry, physics, biology, scientific skills, mathematics, and be introduced to the diverse area of nanotechnology.

In the second to fourth years of the program you will study courses in your science specialism (chemistry or physics) together with:

- » genetics and immunology
- » instrument design
- » mathematics
- » microscopy
- » modelling
- » neutron science
- » semiconductor fabrication
- » sensor technology
- » spectroscopy
- » synchrotron
- » x-ray and light scattering.

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 in meteorology.

Many graduates go on to higher study (master and/or PhD) in order to pursue a career in nanotechnology research. Others go out to work 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.

Professional recognition

In the future, professional recognition may be available from the Royal Australian Chemical Institute (RACI) and the Australian Institute of Physics (IoP).

You may also be interested in...

- » Applied science (page 153)

PHYSICS/ELECTRONIC AND COMMUNICATION ENGINEERING

BP007 *Bachelor of Science (Physics)/Bachelor of Engineering (Electronic and Communication Engineering)*
CRICOS code: 068161k

Duration: 5 years

www.rmit.edu.au/programs/bp007

CITY CAMPUS

Please refer to page 118 for program details.

SCIENCE

BP229 *Bachelor of Science (Applied Sciences)*
CRICOS code: 056444J

BP229APCH *Bachelor of Science (Applied Chemistry)*
CRICOS Code: 074349C

BP229PHYS *Bachelor of Science (Physics)*
CRICOS Code: 074351J

BP229BISC *Bachelor of Science (Biological Sciences)*
CRICOS Code: 074352G

Duration: 3 years

www.rmit.edu.au/programs/bp229

CITY CAMPUS

The *Bachelor of Science* degree allows you to major in one of four fields: applied sciences, applied chemistry, biological sciences or physics.

In addition, students can major in environmental science, biotechnology and food science under the applied sciences general program plan.

This program is perfect for the student who wants flexibility in their studies. You can choose a plan from the start or make changes after you have sampled the common first year of the program.

You can major in a variety of areas in science and take up to six courses that support additional depth in your chosen area, or supplement your studies through electives in other areas of science.

The program offers a wide variety of learning experiences including laboratory and practical work, working in the field, formal lectures, and self-directed projects working with industry.

Working with industry

The final year science projects may 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 helps you to make important contacts with people working in the industry.

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, and 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. Here, 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. Throughout your studies, you have a unique opportunity of taking an elective in occupational health and safety (laboratory and fieldwork safety) which will allow you to gain credit towards a *Certificate IV in Occupational Health and Safety (OH&S)* upon completion of the degree. This additional qualification is seen by many employers as a valuable addition to your science degree.

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 the biological sciences have worked in nearly every area of biotechnology and biosciences—from gene manipulation in mammals to toxin testing in waterways and crop protection—for public and private employers all over the world.

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.

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).

Pathway

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 154)
- » Environmental science (page 124)
- » Food science and technology (page 155)
- » Nanotechnology/applied sciences (page 158)

STATISTICS

D

BP245 *Bachelor of Science (Statistics)*
CRICOS code: 058781J

Duration: 3 years

www.rmit.edu.au/programs/bp245

CITY CAMPUS

Statisticians apply their problem-solving and data analysis skills to problems in a wide variety of fields, including banking and finance (maximising profit and minimising risk), medical research (treatment and drug efficacy), environmental modelling (resources, biodiversity, weather and climate), and marketing (market segmentation and clustering).

As one of the only stand alone statistics degrees offered in Australia, it is highly regarded for its industry engagement and employment focus. RMIT statistics graduates are highly prized for their hands-on IT literacy, problem-solving skills, and exposure to real-world statistical problems throughout their studies.

You will use a number of industry-relevant computer packages and have the skills and knowledge to apply statistics to a broad range of industries including science, health, professional sport, business and engineering.

This degree is for you if you are interested in:

- » solving problems through analysis of data
- » predicting future trends in the environment, economy and finance
- » sports statistics
- » a practical application of mathematics and statistics theory.

Working with industry

During third year you will undertake a project which is linked to industry and the real problems you will face in the workforce.

In recent years students have worked on industry projects for, 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 of your applied statistics studies that you choose your specialisation.

At each year level, you will 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 chronic undersupply of statistics graduates means that there has never been a better time to do a statistics degree. In fact, the Australian Federal Government has forecast a 33% growth in demand for statisticians over the next three years.

Many RMIT graduates work in the banking and finance sector.

Our graduates work in the public service for organisations such as ASIO, ABS, the Bureau of Meteorology and Australia Post. Some of our graduates have also undertaken careers in sports statistics at the AIS or with the AFL.

Professional recognition

Graduates are eligible to apply for graduate membership of the Statistical Society of Australia and graduate membership of the Australian Society for Operations Research.

You may also be interested in...

- » Economics and finance (page 63)
- » Environmental science (page 124)
- » Marketing (pages 69–70)
- » Mathematics (page 157)

SURVEYING



BP089 *Bachelor of Applied Science (Surveying)*

Duration: 4 years
CRICOS code: 022250M

www.rmit.edu.au/programs/bp089

CITY CAMPUS

Surveyors are masters of measurement, whether it is to locate a property boundary or set out a high-rise building. Today's surveyors use advanced equipment and specialised software to determine the accurate position of features on the Earth. They also design subdivisions, measure the ocean floor and monitor deformation of the Earth's crust. It requires an attention to detail and a precise mind.

Surveying 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 our teaching programs.

RMIT offers the only undergraduate degree in surveying in Victoria. There is also a dedicated field station at Yarra Bend Park to support the practical work.

Working with industry

Many of our activities are guided by industry. For example, you will undertake an exercise based on the Yarra Bend Park Strategy Plan. You survey an area of the park, then model, design and illustrate an amphitheatre to suit the local environment.

Students are also expected to complete 60 days work experience during their program. This is usually in the form of paid employment during vacation periods or as a part-time employee. Students can receive assistance in finding a placement.

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 fundamentals 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 the theoretical learning and allow students to exercise their knowledge on real-world problems.

Practical work is based on industry standard software and hardware; the same tools you will find in the workplace.

Career outlook

Graduates are typically employed in small and medium sized consultancy businesses, in the mining sector and in government agencies. Graduate employment has approached 100% for the past few years and there is a continuing shortage of suitably qualified surveyors.

Many graduates enter a Professional Training Agreement and become Licensed Surveyors.

Professional recognition

The *Bachelor of Applied Science (Surveying)* is accredited by the Surveyors Board of Victoria. Graduates are eligible to apply for membership of the Institution of Surveyors Victoria and the Surveying and Spatial Sciences Institute.

The program has international accreditation with the Royal Institute of Chartered Surveyors.

You may also be interested in...

- » Geospatial science (page 156)
- » Civil engineering (page 104)

Minimum entry requirements

To look up the equivalent academic qualification for your country, go to page 164.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
BP225	<i>Bachelor of Science (Applied Chemistry)/Bachelor of Engineering (Chemical Engineering)</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Chemistry and Higher Mathematics; VCE—Chemistry and Mathematical Methods (CAS)
BP159	<i>Bachelor of Engineering (Chemical Engineering)/Bachelor of Science (Biotechnology)</i>				
BP236	<i>Bachelor of Science (Food Technology and Nutrition)/Bachelor of Engineering (Chemical Engineering)</i>				
BP160	<i>Bachelor of Science (Applied Chemistry)/Bachelor of Business (Management)</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Chemistry and Higher Mathematics; VCE—Chemistry and one of Mathematical Methods (CAS) or Specialist Mathematics
AD012	<i>Associate Degree in Applied Science</i>	Minimum 50% average	Completion of the Science, Engineering and Technology stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.0 with no individual band below 5.5; or » TOEFL (Paper-based) minimum 550 with Test of Written English (TWE) no less than 4.0; or » TOEFL (iBT) minimum overall score of 79 with a minimum of 19 in all sections; or » Successful completion of REW Advanced program. 	Mathematics; VCE—Mathematics (any)
C5282	<i>Diploma of Laboratory Technology (Biotechnology)</i>	Minimum 50% average	Completion of the Science, Engineering and Technology stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 5.5 with no individual band below 5.0; or » TOEFL (Paper-based) minimum 530 with Test of Written English (TWE) no less than 3.5; or » TOEFL (iBT) minimum overall score of 71 with a minimum of 17 in all sections; or » Successful completion of REW Upper Intermediate program. 	Relevant employment and experience will be considered for applicants who do not meet the academic requirements.

Program code	Program name	Academic		English	Prerequisite/s and other information
		Australian Year 12 equivalent	RMIT Foundation Studies		
C5184	<i>Diploma of Food Science and Technology</i>	Minimum 50% average	Completion of the Science, Engineering and Technology stream with a minimum 50% average for best four academic courses (subjects) and minimum 50% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 5.5 with no individual band below 5.0; or » TOEFL (Paper-based) minimum 530 with Test of Written English (TWE) no less than 3.5; or » TOEFL (iBT) minimum overall score of 71 with a minimum of 17 in all sections; or » Successful completion of REW Upper Intermediate program. 	—
BP199	<i>Bachelor of Science (Food Technology and Nutrition)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Mathematics
BP087	<i>Bachelor of Science (Geospatial Science)</i>				
BP247	<i>Bachelor of Science (Nanotechnology)/ Bachelor of Science (Applied Sciences)</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics and either Chemistry or Physics; VCE—Chemistry or Physics and Mathematical Methods (CAS) or Specialist Mathematics
BP229	<i>Bachelor of Science (Applied Sciences)</i>	Minimum 65% average	Completion of the Science, Engineering and Technology stream with a minimum 65% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Higher Mathematics; VCE—One of Mathematical Methods (CAS) or Specialist Mathematics
BP089	<i>Bachelor of Applied Science (Surveying)</i>				
BP226	<i>Bachelor of Science (Biotechnology)</i>				
BP083	<i>Bachelor of Science (Mathematics)</i>				
BP245	<i>Bachelor of Science (Statistics)</i>				
BP007	<i>Bachelor of Science (Physics)/ Bachelor of Engineering (Electronic and Communication Engineering)</i>	Minimum 70% average	Completion of the Science, Engineering and Technology stream with a minimum 70% average for best four academic courses (subjects) and minimum 65% for English and any prerequisites.	<ul style="list-style-type: none"> » Minimum IELTS (Academic) overall band 6.5 with no individual band below 6.0; or » TOEFL (Paper-based) minimum 580 with Test of Written English (TWE) no less than 4.5; or » TOEFL (iBT) minimum overall score of 92 with a minimum of 20 in all sections; or » Successful completion of REW Advanced Plus program. 	Physics and Higher Mathematics; VCE—Physics and Mathematical Methods (CAS) or Specialist Mathematics

Note that entry requirements are indicative minimum requirements only.

HOW TO APPLY

International students are citizens of countries, other than Australia and New Zealand, who do not hold Australian permanent residency.

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 (no application fee charged)
www.rmit.edu.au/international/apply

or

» via a paper application form (application fee of AU\$70 required—exemptions apply)
www.rmit.edu.au/programs/apply/applicationguide

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. All documents submitted with your application will not be returned.

Paper based applications may be submitted:

By post or courier

Send application form and all supporting documents to:

RMIT International
RMIT University
Building 22, City campus
Level 4, 330 Swanston Street
Melbourne VIC 3000
Australia

By email

Scan your application form and all supporting documents and email to ISapplications@rmit.edu.au

In person

International desk at Info Corner
Building 22, City campus
330 Swanston Street
(corner La Trobe Street)
Melbourne VIC 3000

Application procedures and dates

There are no application deadlines, however RMIT recommends that students apply in advance as programs fill up quickly. Students must also allow ample time for visa and travel arrangements.

Note: Standard applications generally take between three and five business days to process. Applications requiring assessment of folios or credit exemptions may take between two and three weeks.

Submitting portfolios, CDs and additional information

If you are required to submit a portfolio, CD or additional information with your application form, please ensure that your submission is clearly labelled with your full name, date of birth and contact details. Note that some programs have specific portfolio requirements. Please refer to your preferred program for the specific portfolio requirements.

If you are unable to submit electronically, a hard copy A4 size portfolio will be accepted. Please ensure that it is not the original copy of your work, as it will not be returned.

Some programs will require you to complete an appropriate supplementary form. You can download the form from the website.

www.rmit.edu.au/programs/international/forms

Credit transfer/Recognition of Prior Learning (RPL)

If you have previously completed relevant study at an accredited institution in Australia or overseas, you may be eligible to receive credit for some courses in your RMIT program.

Some programs may also offer credit based on employment history, volunteer work and relevant life experience.

To be considered, you must either provide the program syllabus, academic transcripts and a certificate of graduation with your application or a professional resume which outlines your employment history.

RMIT registered representatives

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

ARE YOU CURRENTLY STUDYING YEAR 12 IN AUSTRALIA?

International students studying an Australian Year 12 program (for example, the Victorian Certificate of Education (VCE) or the International Baccalaureate) in Australia must apply for their preferred Higher Education programs through the Victorian Tertiary Admission Centre (VTAC). Please refer to the *VTAC Guide 2011* for application procedures and dates.

www.vtac.edu.au

Students who do not receive a first-round VTAC offer, or those wishing to apply for a TAFE program, should contact isu@rmit.edu.au to discuss a suitable pathway or program alternatives.

www.rmit.edu.au/programs/apply/how_to_apply

ENTRY REQUIREMENTS

Academic entry requirements

- » To meet RMIT's academic entry requirements for diploma and undergraduate programs, you must have completed a recognised and equivalent Year 12 studies to the required standard.
- » You must also satisfy individual program requirements i.e. specific prerequisites.

Applicants are assessed on a case-by-case basis. Meeting minimum entry requirements does not guarantee entry to RMIT's diploma and undergraduate programs.

Applicants who do not meet academic entry requirements may consider taking RMIT's VCE programs or Foundation Studies programs offered by RMIT International College (see page 12 and 13).

English language entry requirements

- » You must provide evidence of English language proficiency through proficiency tests like the International English Language Testing System (IELTS) test or Test of English as a Foreign Language (TOEFL), before being admitted to your preferred program. Some students may be exempted from providing English proficiency tests. Refer to www.rmit.edu.au/programs/apply/international/englishequivalent
- » 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.

Entry requirements by country

	VCE Year 11	VCE Year 12/ Foundation Studies	Minimum Australian Equivalent Year 12 equivalent score							Grading/ Calculation System
			Diploma/associate degrees			Bachelor degrees				
			50%	55%	60%	65%	70%	75%	80%	

All countries

International Baccalaureate (IB)	—	Completion of Year one with a pass average.	24	24	24	25	27	29	31	Aggregate scores include bonus and penalty points.
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China

Gao Er (Senior Middle 2) (Year 11)	—	Minimum average of 80%	—	—	—	—	—	—	—	Overall average Senior Middle 2 (semester one and two).
Gao San (Senior Middle 3) (Year 12)	—	—	Average of 70%	Average of 70%	Average of 75%	Average of 75%	Average of 80%	Average of 85%	Average of 85%	Overall average score for all subjects undertaken.
Gao Kao (National College Entrance Examination, NCEE)—Beijing	—	—	375	397	419	441	454	467	480	Score is for Beijing municipality only. For other provincial scores, please refer to website.

	VCE Year 11	VCE Year 12/ Foundation Studies	Minimum Australian Equivalent Year 12 equivalent score							Grading/ Calculation System
			Diploma/associate degrees			Bachelor degrees				
			50%	55%	60%	65%	70%	75%	80%	

Hong Kong

HKCEE	Secondary 4/5 with a minimum average of 55%	HKCEE four D's or better	—	—	—	—	—	—	—	—
HKALE	—	Pass one subject	Minimum two points (best two subjects), e.g. EE	Minimum four points (best two subjects), e.g. DD	Minimum five points (best three subjects), e.g. DDE	Minimum six points (best three subjects), e.g. DDD.	Minimum seven points (best three subjects), e.g. DDC	Minimum eight points (best three subjects), e.g. CCD	Minimum nine points (best three subjects), e.g. BCD	Points calculated as follows: A=5, B=4, C=3, D=2 and E=1.
HKDSE	Secondary four with minimum 60% for best five subjects including English Language.	Secondary five with minimum 60% average for best five subjects including English Language.	Minimum 10 points for four cores (i.e. 3322) plus any prerequisite as applicable.	Minimum 10 points for four cores (i.e. 3322) plus any prerequisite as applicable.	Minimum 13 points for four cores and one elective (i.e. 33223).	Minimum 15 points for four cores and two electives (i.e. 332232).	Minimum 16 points for four cores and two electives (i.e. 332233).	Minimum 17 points for four cores and two electives (i.e. 333233).	Minimum 18 points for four cores and two electives (i.e. 333333).	Points calculated based on level achieved. Minimum Level three required for English Language and any Category A prerequisite. Minimum Level two required for all other subjects (core and Category A elective). Category B and C electives may be accepted depending on the program of entry.

India

All India Senior School Certificate (AISSC)— 10+2	Year 10 pass average	(10+1) with at least 65% (B2) average (forecast results are acceptable)	Minimum average of 50%	Minimum average of 55%	Minimum average of 60%	Minimum average of 65%	Minimum average of 70%	Minimum average of 75%	Minimum average of 80%	Overall average for subjects, excluding Work Experience, Physical and Health Education, and General Studies.
Indian School Certificate (ISC)	Year 10 pass average	(10+1) with at least 65% (B2) average (forecast results are acceptable)	Minimum average of 50%	Minimum average of 55%	Minimum average of 60%	Minimum average of 65%	Minimum average of 70%	Minimum average of 75%	Minimum average of 80%	Overall average for graded subjects.
State Boards of Education (Higher Secondary Certificate, HSC)	—	—	Minimum average of 55%	Minimum average of 60%	Minimum average of 65%	Minimum average of 70%	Minimum average of 75%	Minimum average of 80%	Minimum average of 85%	Overall average for graded subjects.

ENTRY REQUIREMENTS

	VCE Year 11	VCE Year 12/ Foundation Studies	Minimum Australian Equivalent Year 12 equivalent score							Grading/ Calculation System
			Diploma/associate degrees			Bachelor degrees				
			50%	55%	60%	65%	70%	75%	80%	

Indonesia

Second year of <i>Sekolah Menengah Atas</i> (SMA 1 or Year 10)	Completion of SMA 1 with an average of 7	—	—	—	—	—	—	—	—	Overall average grade from the first and second semesters of SMA.
Second year of <i>Sekolah Menengah Atas</i> (SMA 2 or Year 11)	Completion of SMA 2 with an average of 6	Completion of SMA 2 with an average of 7	—	—	—	—	—	—	—	Overall average grade from the third and fourth semesters of SMA.
Final year of <i>Sekolah Menengah Atas</i> (SMA 3 or Year 12)	—	Completion of SMA 3 with average of 5	Completion of SMA 3 with average of 6	Completion of SMA 3 with average of 6.5	Completion of SMA 3 with average of 7	—	—	—	—	Overall average grade from fifth and sixth semesters of SMA.
<i>Surat Keterangan Hasil Ujian Nasional</i> (SKHUN) (Certificate of Graduation) and the final year results for the STTB:SMA or STTB:SMK.	—	—	Average of 6.0	Average of 6.0	Average of 7	Average of 8	Average of 8	Average of 9	Average of 10	Overall average grades from the fifth and sixth semesters of the STTB:SMA or STTB:SMK, and the SKHUN. Prerequisites must be included in the grade calculation.
Completion of the first year of a Bachelor degree (Sarjana)	—	—	CGPA 1.30	CGPA 1.6	CGPA 1.9	CGPA 2.2	CGPA 2.5	CGPA 2.8	CGPA 3.10	Based on a 4-point GPA scale (A=4, B=3, C=2 and D=1).

Malaysia

Sijil Pelajaran Malaysia (SPM)	Completion of Form 5	At least five credits	—	—	—	—	—	—	—	Only academic subjects may be counted.
Sijil Tinggi Persekolahan Malaysia (STPM)	—	Up to average GPA of 1.00 (D average)	Minimum average GPA of 1.33 (D+ average)	Minimum average GPA of 1.67 (C- average)	Minimum average GPA of 2.00 (C average)	Minimum average GPA of 2.33 (C+ average)	Minimum average GPA of 2.67 (B- average)	Minimum average GPA of 3.00 (B average)	Minimum average GPA of 3.00 (B average)	Cumulative GPA
Unified Examination Certificate (UEC)	Pass at the Senior Middle 2 level.	Average of 60% at the Senior Middle 2 level	Minimum average GPA of 1.30 (C7 average)	Minimum average GPA of 1.60 (B6 average)	Minimum average GPA of 2.00 (B5 average)	Minimum average GPA of 2.20 (B4 average)	Minimum average GPA of 2.50 (B3 average)	Minimum average GPA of 2.80 (A2 average)	Minimum average GPA of 3.10 (A2 average)	Overall percentile for Senior Middle. 4-point GPA scale for all subjects taken in the UEC (A1/A2=4.00, B3/B4=3.00, B5/B6=2.00, and C7/C8=1.00)

	VCE Year 11	VCE Year 12/ Foundation Studies	Minimum Australian Equivalent Year 12 equivalent score							Grading/ Calculation System
			Diploma/associate degrees			Bachelor degrees				
			50%	55%	60%	65%	70%	75%	80%	

UK, Singapore, Malaysia and others.

Cambridge GCSE 'O' Levels	—	Minimum 20 points for best four subjects including English.	—	—	—	—	—	—	—	Points are calculated as follows: A1, A2, B3, B4, C5, C6 and D7.
Cambridge GCE 'A' Levels	—	Minimum one point at either H1 or H2 level.	Minimum three points for two H2 subjects and one H1 subject. i.e. EE/E	Minimum four points for two H2 subjects and one H1 subject. i.e. DE/E	Minimum five points for two H2 subjects and one H1 subject. i.e. DD/E	6 points for three H2 subjects. i.e. DDD	Minimum seven points for 3 H2 subjects. i.e. CDD	Minimum eight points for three H2 subjects. i.e. CCD	Minimum nine points for three H2 subjects. i.e. CCC	Points calculated as follows: A=5, B=4, C=3, D=2 and E=1. For undergraduate entry, point total must include minimum C in General Paper (H1) or in Knowledge and Inquiry (H2)

Vietnam

Year 10	Completion of Year 10 with average of 6	—	—	—	—	—	—	—	—	Overall average of graded subjects taken.
Year 11	—	Completion of Year 11 with a average of 6	—	—	—	—	—	—	—	Overall average of graded subjects taken.
<i>Bang Tot nghiep Trung hoc Pho thong</i> (Upper Secondary School Graduation Diploma)	—	Average of 5	Minimum average score of 6	Minimum average score of 6.5	Minimum average score of 7	Minimum average score of 8	Minimum average score of 8.5	Minimum average score of 9	Minimum average score of 9.5	Overall average graded subjects taken. Must pass prerequisites with minimum of score of 6. Temporary certificate of graduation is accepted for up to one year from date of issue.
Completion of the first year of a Bachelor degree (<i>Bang tot nghiep dai hoc</i>) program from a recognised university	—	—	Minimum average score of 5.5	Minimum average score of 6	Minimum average score of 6.5	Minimum average score of 7	Minimum average score of 7.5	Minimum average score of 8	Minimum average score of 8.5	Overall average graded subjects taken. Must pass prerequisites with minimum of score of 6.

For office use only:

Student ID _____

Reference No _____

Tag _____

All fields must be completed for the application to be processed.

Section 1 Personal information

Title (Mr, Mrs, Ms) Family name as stated in your passport (if available)

Given names as stated in your passport (if available)

Date of birth Gender Male Female

If you are under 18 years of age at program commencement date, please refer to www.rmit.edu.au/programs/applications/guardianship for further information.

Address in home country

Number & street name		City/Suburb	
State/province	Country	Postcode	

Mailing address (if different from above)

Number & street name		City/Suburb	
State/province	Country	Postcode	

Contact details

Area code	Tel	Fax
Mobile	Email	

Are you applying through an RMIT representative? Yes No

Representative's name Agent number Office number

Representative's email address

Please tick (✓) if you have previously submitted an application to RMIT

How to apply

- Complete in **BLOCK** letters using a black or blue pen.
- Attach the **AU\$70 application fee**. See page 4 for payment methods. Your application **will not be processed** without this fee.
Exemptions:
 - English-only programs
 - Current or returning RMIT students
 - Year 12 students applying through VTAC
 - Research programs
- Attach **one certified A4 copy** (do not include originals) of supporting documents (refer to list on page 3).
- Return the completed form to RMIT University International Services or to your RMIT-accredited representative.

Where to submit application

RMIT University
Postal address:
 RMIT International Services
 GPO Box 2476
 Melbourne VIC 3001 Australia

By courier:
 RMIT International Services
 Level 4, RMIT Building 22
 330 Swanston Street
 Melbourne VIC 3000 Australia

In person:
 International desk at Info Corner
 Level 1, RMIT Building 22
 330 Swanston Street
 Melbourne VIC 3000 Australia
 Tel. +61 3 9925 5156
 Fax: +61 3 9663 6925
 Email: ISapplications@rmit.edu.au
www.rmit.edu.au/international
 RMIT University
 CRICOS Provider Code 00122A
 RMIT English Worldwide
 CRICOS Provider Code 01912G

Section 2 Residency and other information

Country of birth Citizenship Passport No. (if available)

Are you currently living in Australia? Yes No *If no, which country are you applying from:* _____

Are you a permanent resident of Australia? Yes No *If yes, you are completing an incorrect form. You must complete another form available on www.rmit.edu.au/programs/applications.*

If you have a current Australian visa, please provide number as shown in your visa label Expiry date

Type: Student Visitor Spouse Other _____ Subclass number _____

If you hold a current passport and/or an Australian visa, you MUST include a copy with this application.

Are you currently covered by Overseas Student Health Cover (OSHC)? Yes No

It is an Australian Government requirement that all international students on a student visa are covered by Overseas Student Health Cover (OSHC) (exemptions apply). Payment of OSHC needs to occur when you accept your offer. If you are accompanied by family and children, you require the compulsory family policy for OSHC. RMIT will arrange visa-length cover with our preferred OSHC provider, Medibank Private www.medibank.com.au/overseas-students/about-oshc.aspx

If yes, please provide:

Provider name	Membership number	Expiry date
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Have you been awarded a scholarship or sponsorship? Yes No *If yes, please provide a letter from your sponsor(s).*

Scholarship/Sponsor provider name Tel

Representative's stamp

Section 3 Program information

English only General English English for Academic Purposes Start date: _____ Number of weeks: _____

Please note RMIT will advise number of weeks required for English for Academic Purposes (EAP), depending on your English language proficiency level.

English as a pathway English as part of a pathway to RMIT University programs (tick here):
RMIT will advise the number of weeks required, depending on your English language proficiency level.

RMIT pathway Complete to apply for a pathway (e.g., Year 11/12 (VCE), Foundation Studies) leading into a higher award:

Program code	Program plan	Intake date (month, year; i.e., February 2010)
Name of program		

Office use only

Interviewed by:

Date:

Form submitted at:

Exhibition/Interview

International desk
Info Corner

Representative office visit

RMIT program Complete in order of preference to apply for an RMIT program (e.g., diploma, bachelor degree, postgraduate):

1. Program code	Program plan	Intake date (month, year; i.e., February 2010)
Name of program		
2. Program code	Program plan	Intake date (month, year; i.e., February 2010)
Name of program		
3. Program code	Program plan	Intake date (month, year; i.e., February 2010)
Name of program		

Are you applying for credit exemptions? Yes No If yes, please provide a certified copy of an official syllabus, including detailed subject descriptions.

Section 4 English language proficiency

English skill Is English your first language? Yes No
 Have you studied at secondary or post-secondary level with English as the medium of instruction and assessment? Yes No
 If yes, please provide evidence.

English studies Are you planning to enrol, or are you enrolled in English Language Studies? Yes No

Expected start date	Expected duration	Expected completion date
Level		Institution

English test score (IELTS, TOEFL or REV) Have you taken an English test in the last 2 years? Yes No If yes, please complete details below.
 If no, do you plan to take a test? Yes No

Test date	Test name
Test report form number	Result

If not known, please submit results as soon as they are available.

Section 5 Educational background and qualifications

1. Secondary school studies List details of the secondary studies you have completed:
 Month and year enrolled (e.g., February 2009)

From (month/year)	To (month/year)	Country
Institution		Name of qualification

2. Completed post-secondary (tertiary studies) (e.g., Diploma, Bachelors, Masters) List details of the post-secondary studies you have completed (from lowest qualification gained to highest):

Years enrolled From (month/year)	To (month/year)	Years enrolled From (month/year)	To (month/year)
Country		Country	
Institution		Institution	
Name of qualification (including main field of study):		Name of qualification (including main field of study):	

3. Current studies: List details of current studies:
 Month and year enrolled (e.g., February 2009)

Name of qualification	Country	Institution
From (month/year)	To (month/year)	

The date your results will be available

Will you complete your current studies prior to the commencement of your proposed RMIT program? Yes No

4. Research background
(To be completed by students applying for Masters by Research or PhD programs)

Have you ever been enrolled in a masters by research or PhD program? Yes No

If yes,

Institution Name	
Department Name	
Period of candidature: from (day/month/year)	to (day/month/year)
Topic	
Reason for withdrawal (if applicable)	

Research Proposal

Have you contacted an RMIT academic staff about your research proposal? Yes No

If yes,

Academic's name	Academic position
-----------------	-------------------

Please note: you are required to attach a copy of your research proposal to this application.

Section 6 Work experience

Have you undertaken any work experience relevant to your application? Yes No

If yes, list details of employment:

From (month/year)	To (month/year)	From (month/year)	To (month/year)
Country		Country	
Employer		Employer	
Position		Position	
Duties		Duties	

Section 7 Special consideration

Do you have a disability, impairment or long-term medical condition that may affect your studies? Yes No

If yes, you need to provide documentation and additional information so that RMIT can assist you during your studies. More information about RMIT support services is available on www.rmit.edu.au/disability.

Section 8 Supporting documents

The following supporting documents must be included when you submit your application. Please refer to program requirements in the relevant RMIT program guide available on www.rmit.edu.au/programs/international/brochures. (Applications that are submitted without necessary supporting documents will be delayed in processing. Where requested, original or certified copies of documentation must be provided. RMIT does not recommend sending originals as they will not be returned.)

Compulsory attachments

- Certified academic transcripts
- Evidence of English proficiency
- Certified copies of graduation certificates
- Certified copies of passport and current Australian visa (if applicable)

Submit these attachments if applicable (please do not include originals as they will not be returned):

- Folio (File size should not exceed 10 MB)
- Certified English translations
- Supplementary documents/forms
- Research proposal including expected outcomes
- Personal statement
- Letter from scholarship provider or sponsor
- Curriculum Vitae (resume)
- Disability support details
- References from employers

Section 9 How did you first hear about RMIT University?

- Friends/relatives
- Education representative
- Internet
- Media (magazine, newspaper or television)
- Education fair/exhibition
- Other _____

Section 10 Declaration

I understand and accept that:

- » RMIT University reserves the right to discontinue or alter any program, course/subject, fee, admissions requirement, staffing or other arrangement without prior notice.
- » Information I have provided on this form and during enrolment may be made available to the Australian Government, State Agencies and other designated authorities under the ESOS Act 2000, ESOS Regulations 2001 and the National Code. Information about me can be disclosed without my consent where authorised or required by law.
- » RMIT University reserves the right to annually adjust program fees to take into account increases in University and program delivery costs. Changes to program tuition fees will be applied at the beginning of each calendar year. RMIT will ensure that any future fee increase will be maintained below 7.5% (subject to rounding). In the event of a variation between the fees on my offer letter and the approved RMIT schedule of fees and charges, the approved schedule will prevail.
- » Any application fee paid is non-refundable by RMIT University.
- » Quoted tuition fees are an estimate based on standard full time loads and will vary depending on program and plan (i.e. the actual enrolled load). Tuition fees will increase if courses need to be repeated or additional electives that will exceed the minimum requirement need to be undertaken.
- » Tuition fees do not include the Overseas Student Health Cover (OSHC), administrative services charges, books, equipment and other materials required to undertake the program or compulsory activities where relevant, such as fieldwork, excursions or laboratory practicals. Details on additional costs can be found in the program descriptions on the RMIT website (www.rmit.edu.au) and at the RMIT fee website (www.rmit.edu.au/programs/fees/other).
- » RMIT University collects, uses and destroys my information in accordance with the university's Privacy Policy (refer www.rmit.edu.au/privacy).
- » RMIT University places restrictions on program and institution transfers and that I may not be permitted to change my program or institution without permission.

I authorise the university to disclose information relevant to my application and enrolment to the university's preferred OSHC provider and other third parties for the purposes of arranging my OSHC, progressing my application and enrolment, and administering my course.

I give RMIT University permission to check my visa status using the Department of Immigration and Citizenship (DIAC) Visa Electronic Verification Online (VEVO) system.

I declare to the best of my knowledge that the information supplied on this application form and all supporting documentation is correct and complete, and that any folio, personal statement or additional requirements supplied are my own work.

I acknowledge that the withholding of information or provision of incorrect or fraudulent documentation relating to my application may result in the cancellation of any offer or enrolment by RMIT University, and the university may inform others, including government agencies, of this information.

If sponsored by a government body or private institution, I give RMIT permission to provide my sponsor with information about my application, enrolment and academic progress.

I have completed all sections of the application form.

Student signature _____ Date _____
Day/month/year

Please refer to www.rmit.edu.au/policies/refunds for RMIT's refund policy for international students.

Application fee payment

A non-refundable application fee of AU\$70 must be submitted with this application. These payment methods are accepted:

Bank draft

Draft should be payable to 'RMIT University' in Australian dollars and to an Australian bank. Write your student number (if known) on the back of the draft.

Credit card (Visa or Mastercard)

Please complete details below:

Please tick one	<input type="checkbox"/> Visa	<input type="checkbox"/> Mastercard
Name on credit card:		
Card number:		
Expiry date:		
Signature:		

Telegraphic transfer

Paid in accordance with the following details:

Payee: RMIT University
 Bank: Commonwealth Bank of Australia
 Branch: RMIT University
 360 Swanston Street, Melbourne 3000
 Account no: 1000-6953 (for application fee only)
 BSB no: 063-262

A copy of the telegraphic transfer, including your full name and contact details, must be attached to your application form.

CITY OF MELBOURNE



www.rmit.edu.au/international

For more information

RMIT University
RMIT International
GPO Box 2476
Melbourne VIC 3001
Australia
Tel. +61 3 9925 5156
Fax: +61 3 9663 6925

New student enquiries:

Email : isu@rmit.edu.au

Tel. +61 3 8676 7047

Domestic Free Call Number: 1800 998 414 (within Australia)

This guide provides details about RMIT's undergraduate degree and diploma programs, including TAFE programs, associate degrees and bachelor degrees for international students. 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 2012 Postgraduate (Coursework and Research) program guide for international students.



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Every effort has been made to ensure the information contained in this publication is accurate and current at the date of printing. For the most up-to-date information, please refer to the RMIT University website before lodging your application.
RMIT University CRICOS Provider Code: 00122A.

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INTERACT WITH RMIT

You can now interact with RMIT through several web, mobile and social networking tools listed at www.rmit.edu.au/interact



www.facebook.com/RMITUniversity



www.twitter.com/rmit



www.youtube.com/user/rmitmedia



Take a photograph/scan this code with your mobile phone to download the PDF version of this brochure (5.4 Mb).
www.google.com/cQrEs