

MELBOURNE, AUSTRALIA

SWINBURNE

SWINBURNE  
UNIVERSITY OF  
TECHNOLOGY

# Postgraduate Programs

## ▶ 2015



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# Helping you become who you want to be



Students come first at Swinburne. We equip our students with the knowledge and capabilities they need to establish successful careers through high-quality teaching and industry-engaged learning.

## Quality teaching

With a reputation for quality education and focused research, Swinburne attracts highly qualified academics and educational leaders who have industry experience in the areas they teach.

## Valued graduates

Swinburne is known for its links with successful business and industry, and for developing international partnerships and collaborations. This local and international engagement ensures that our students graduate with valuable and sought-after skills that employers value.

## World-ranked university

Swinburne is an internationally recognised research-intensive university. Our rankings – top 400 in the world and top three in Melbourne by the 2014 Academic Ranking of World Universities – prove the success of our focus on and investment in research and research infrastructure. It is why we are leaders in science, technology, innovation, business and design.

## Research excellence

Swinburne has an international reputation for research that connects science and technology with business and the community. Our research has produced numerous innovative breakthroughs and is recognised internationally.

## Modern and safe campuses

Swinburne has campuses in the inner and eastern suburbs of Melbourne, one in the Melbourne CBD and one in Sarawak, Malaysia. We offer supportive, secure and peaceful environments with modern facilities. Our new Advanced Manufacturing and Design Centre is a symbol of the study opportunities, innovative thinking and dynamic campus life at Swinburne.

I hope you see you at Swinburne in 2015.

### **Professor Linda Kristjanson**

Vice-Chancellor and President  
Swinburne University of Technology

# Studying in Melbourne

## About Melbourne

Smart, captivating, multicultural, unique, fun, trend-setting, individual and welcoming, Melbourne is the capital city of Victoria and home to four million people.

In 2014 Melbourne was named the world's most liveable city by the Economist Intelligence Unit's Global Liveability Survey, and is known as Australia's cultural, culinary and sporting capital. A mild climate, magnificent architecture, an extensive public transport network and beautiful parks and public spaces make living in Melbourne a great experience.

## Hawthorn campus

John Street, Hawthorn

**Student population:** 22,000

**Distance from Melbourne city centre:** 6 km (10 minutes by train)

Hawthorn is the main campus for international students. Our main campus is an exciting place to study. Located on the edge of a vibrant local shopping and business area, it offers a range of facilities and services to help you balance the demands of study with your other interests.

## Getting here

Glenferrie train station is practically on campus, making it easy to get to and from the city and surrounding suburbs.

The Melbourne CBD is just 10 minutes away by train. Trams can also take you all the way to St Kilda beach. If public transport isn't an option, there's all-day, on-campus parking available, as well as ticketed parking off campus.

## Study in a relaxed environment in a convenient location

Our Hawthorn campus is set directly behind Glenferrie Road. This vibrant shopping hub includes laneways and arcades where you can get a great coffee and find a quiet place to read.

There is a diverse choice of restaurants and cafés plus dozens of shops and boutiques, and a bookshop. Two supermarkets and a number of international grocers mean you'll never have to go far for the essentials.

From 2015 you'll also be able to visit Hawthorn's newest movie theatre, Lido Cinemas. The eight-cinema complex, including rooftop cinema, is currently under construction on Glenferrie Road.

Visit [www.swinburne.edu.au/aroundswinburne](http://www.swinburne.edu.au/aroundswinburne) to find out about the places students love on and around our campus.

## Multimillion-dollar facilities

Major refurbishments and new infrastructure are a feature at our Hawthorn campus. The development of new buildings, renovation of existing buildings and landscaping enhance the study environment and education experience we offer our students.

Cutting-edge facilities include:

- the new \$100 million Advanced Manufacturing and Design Centre (AMDC). The centre provides a purpose-built teaching and learning environment for design, business, engineering and information technology students. The AMDC is also the new home of Swinburne's Design Factory, the first 'living lab' dedicated to design at an Australian university. The Design Factory model enables cross-discipline teams of students to work on research-led collaborations with external partners.
- the Advanced Technologies Centre, which features state-of-the-art laboratories and research and education facilities. It includes a 550-seat retractable lecture theatre, 40 high-tech learning spaces and the Smart Structures Laboratory – the only one of its kind in Australia – for leading-edge research in structural engineering.
- The George building, a multi-storey student services hub (named after university founder George Swinburne). It features study areas, a games room, prayer room, and careers and employment and health services.



## Other campuses

### Wantirna campus

369 Stud Road, Wantirna

Postgraduate programs are not offered at this campus.

### Croydon campus

12–50 Norton Road, Croydon

Postgraduate programs are not offered at this campus.

### Melbourne CBD campus

196 Flinders Street, Melbourne

Postgraduate programs are not offered at this campus.

### Sarawak campus

Student population: 4000

Distance from Kuching city centre: 3 km  
(15 minutes by bus or car)

Facilities include modern lecture theatres and halls, engineering workshops, computer and science labs, a state-of-the-art digital resource centre, auditorium, multipurpose hall, cafeterias serving halal food, a student lounge, sporting facilities and ample parking.

On-campus accommodation features furnished rooms, shared laundry, bathrooms and recreation areas, as well as 24-hour security.



Flinders Street Station, Melbourne CBD.



# Student life at Swinburne

## Swinburne International

Staff at Swinburne International are responsible for the admission, orientation and support of all international students. They are your first point of contact when you arrive at Swinburne and provide ongoing support with your application, health insurance, accommodation, visas, course information and referrals to other services both on and off campus.

International student advisers provide advice and support to help international students adjust to life and study in Australia. They provide a comprehensive advisory and referral service to the many specialist services on and off campus covering both academic and pastoral care.

Visit [www.swinburne.edu.au/international](http://www.swinburne.edu.au/international) to find out more about the services available.

### After-hours information hotline

Swinburne's after-hours hotline provides information to international students with medical, safety, environmental, mental health, accommodation, transport and other enquiries.

The service is available between 5pm and 9am on weekdays and is open 24 hours on weekends. The number is 1800 022 168.

For enquiries during business hours (9am to 5pm), contact Swinburne International.

### Support for sponsored students

Swinburne International assists scholarship recipients and sponsoring agencies (such as governments, employers or other organisations) with administrative, reporting and financial arrangements, as well as a range of support services and programs.

## Academic life

### Modes of study

You will have the opportunity to participate in a variety of types of study depending on your chosen course. These may include lectures, workshops, tutorials, laboratory and studio sessions, group work, cross-discipline projects, case studies, practical sessions, discussion groups, online learning and research projects.

### Assessment methods

At Swinburne, assessment takes various forms. You could be assessed through a combination of assignments, reports, examinations, class presentations, practicals, journal keeping, class participation and group projects.

Assessment methods for research students include being assessed on the quality of their research and their ability to appropriately convey their findings.

### Language and study skills services

Swinburne's language and academic skills advisers can help you to improve your English and study skills so you can achieve better results. You can attend free workshops, join a conversation group or make an individual appointment with an adviser.

### Scholarships

International students may be eligible for a range of scholarships.

Visit [www.swinburne.edu.au/international/scholarships](http://www.swinburne.edu.au/international/scholarships) for a list of available scholarships.

### Wireless networking

Wi-fi access at Swinburne means that you can turn on your laptop or mobile phone at any time, anywhere within the coverage areas, and have access to the internet and university network.

### Computer labs

Swinburne offers a number of PC labs to assist you in completing your assessments. The Hawthorn campus library provides a Late Lab, which offers 24-hour, seven-day-a-week access.

### Libraries

As a Swinburne student you will have access to the extensive collection of resource material in any of our campus libraries. Resources available for student use include books, journals and other electronic resources. The libraries also have workstations, computers, printers, scanners and photocopiers for student use.

## Campus life

### Clubs and societies

There is a variety of Swinburne clubs and societies in which to get involved. Covering every social, religious, sporting, regional, political and cultural interest you can think of, there's bound to be something for you.

### Events and activities

A full calendar of events and cultural activities – including trips to popular tourist destinations around Australia, free on-campus activities and social events – allows you to enjoy a balance between study and life, make new friends and experience the sights of Australia.

### Sport and recreation

Gym facilities are available at the newly renovated Hawthorn Aquatic and Leisure Centre, a short walk from the Hawthorn campus. There are also several sporting clubs you can join.

### Prayer room

Located in The George building, Swinburne's multi-faith prayer room can hold up to 400 people and is a place for students and staff to engage in communal reflection or individual meditation.

### Counselling services

Swinburne students can access free counselling for any study, work, personal or relationship issues they are experiencing.

### Health services

Friendly and accessible health services are available across all campuses, including free appointments with registered nurses and affordable appointments with doctors.

### Disability support services

Disability liaison officers can help to determine appropriate support services and develop an access plan for students.

### Financial advice

A financial adviser is available to assist students free of charge with managing budgets, student loans and other financial issues.

### Legal advice

Swinburne provides access to free and confidential legal advice to students. The service encourages and supports students in solving their own legal and related problems.

# Improving your job prospects

Swinburne offers a range of services and programs that extend beyond what you learn in the classroom to enhance your qualification and prepare you for your career.

## Student Leadership and Volunteer Program

The Student Leadership and Volunteer Program provides you with opportunities to contribute to the Swinburne community through leadership and volunteering roles. Volunteers develop practical experience and have opportunities to undertake training and obtain certifications in a range of fields.

Opportunities may include mentoring, events and activities hosted by the university or its faculties, or participation in academic panels and hearings.

## Professional Year Programs

Swinburne's Professional Year Programs are for international graduates seeking an additional pathway from university to employment in Australia. They provide valuable experience in the workplace to enhance your qualification.

Swinburne offers three Professional Year Programs:

- Skilled Migration Internship Program: Accounting (see page 22) – developed in conjunction with CPA Australia, the Institute of Chartered Accountants and the Institute of Public Accountants
- Engineers Australia Professional Year in Engineering (see page 36) – delivered on behalf of Engineering Education Australia
- ACS Professional Year in Computer Science (see page 37) – delivered on behalf of the Australian Computing Society (ACS).

Swinburne's Professional Year Programs have been approved by the Australian Department of Immigration and Border Protection.

Visit [www.swinburne.edu.au/pyp](http://www.swinburne.edu.au/pyp)

## Studying abroad

The cultural experience of international study offers you a personal growth opportunity: to develop insight, communication skills and a depth of understanding. There are several international study opportunities for students, and your international study experience is usually credited towards your course.

Visit [www.swinburne.edu.au/abroad](http://www.swinburne.edu.au/abroad)

## Careers and employment services

The Careers and Employment office has experienced careers counsellors who provide a range of free career services for current students and recent graduates. Careers and Employment also offers a range of additional services to assist students with employment, including:

- résumé-checking
- interview practice sessions
- on-campus employment fairs
- job workshops.

Visit [www.swinburne.edu.au/careers](http://www.swinburne.edu.au/careers)

## SwinEmploy

SwinEmploy is an online job database that advertises professional, part-time and casual jobs. Once registered, students receive regular emails about jobs relevant to their study areas.







'I am researching the technique of elaborating cell signalling pathways and learning from the best in this field. The student services offered by Swinburne have helped me to adjust to study and life in Australia. Melbourne is a multicultural city with many cultural festivities and a friendly environment for international students.'

**Zubaidah**  
Doctor of Philosophy (Science)

# Research excellence

Swinburne has an international reputation for quality research that connects science and technology with business and the community. Our researchers foster national and international academic networks and connections with industry, providing excellent opportunities for students.

In 2014 Swinburne was ranked as one of the world's top 400 research-intensive universities by the Academic Ranking of World Universities (ARWU). The ARWU also named Swinburne a top 75 research university in the field of physics.

Our commitment to high-quality teaching and research was reflected in our ratings in the Australian Government's *Excellence in Research for Australia 2012* report. Swinburne received the highest possible rating – 'well above world standard' – for Astronomical and Space Sciences, Physical Sciences and Maritime Engineering. Swinburne was also rated 'above world standard' for Optical Physics, Computer Software, Materials Engineering, Physical Chemistry, Psychology, and Communication and Media Studies.

## Research focus

Our research is carried out across a range of multidisciplinary fields. Swinburne has particular research strengths in:

- astrophysics and supercomputing
- brain and psychological sciences
- business and enterprise
- computer software and systems
- design
- engineering and industry
- health sciences
- humanities and social sciences
- optical physics
- telecommunications and data network engineering.

As part of our vision to become Australia's leading university in the areas of science, technology and innovation by 2020, we are committed to producing outstanding research that is relevant and internationally recognised.

Our research focus will extend to five outcome areas:

- future manufacturing
- sustainable futures
- digital frontiers
- personal and societal wellbeing
- inspirational science and technology.

## Research achievements

Our research has produced numerous innovative breakthroughs, including:

- using nanoscopic particles to create 5D storage disc capacity equivalent to more than 2000 times current DVDs
- developing an endoscopic two-photon microscope that aids in the diagnosis of cancer
- developing techniques to change the surface of titanium implants and develop bioactive coatings to reduce the risk of infection and rejection for people with surgical implants
- conducting the most comprehensive global study of its kind, which found that ocean wind speeds and wave heights have increased significantly over the last 25 years
- leading international astronomy research teams in:
  - discovering a small planet made of diamond in our Milky Way
  - finding a rare, rectangular-shaped galaxy
  - observing the oldest supernovae ever seen.

## Postgraduate study by research

Swinburne has a number of research centres that bring together leading researchers and provide opportunities for postgraduate research students.

A range of programs are available:

- Doctor of Design
- Doctor of Philosophy (PhD) – by thesis, exegesis/project or publication
- Doctor of Psychology (Clinical)
- Doctor of Psychology (Counselling)
- Master of Arts
- Master of Commerce
- Master of Design
- Master of Engineering
- Master of Science.

The standard duration of a master degree by research is two years; for a PhD it is three years, but there are some exceptions.

## How to apply

Follow these steps to apply for a master by research or PhD program at Swinburne.

- 1 Make sure you are eligible to undertake a research program
- 2 Determine your research area of interest
- 3 Find a supervisor
- 4 Complete the application form
- 5 Attach supporting documentation
- 6 Submit your application

Visit [www.swinburne.edu.au/international/apply/research](http://www.swinburne.edu.au/international/apply/research) for more information and to apply online.

# English language courses

English Language Intensive Courses for Overseas Students (ELICOS) give you the opportunity to learn from qualified teachers, interact in English in a multicultural environment and prepare for entry to other Swinburne programs.

Courses range from elementary to advanced levels. A new intake commences every five weeks, so you can start when it suits you.

Course duration is between five and 50 weeks.

The length of your course will depend on your current level of English and whether you want to continue with further study.

## General English

### Elementary, Pre-intermediate and Intermediate

These courses will help you to improve your everyday English. They cover reading, writing, listening and speaking, punctuation and grammar.

Classes include:

- listening and oral communication skills
- grammar and vocabulary development
- supervised independent learning
- excursions and social activities.

## English for Academic Purposes

### Intermediate, Upper-intermediate and Advanced

These courses will prepare you for direct entry to Swinburne. They focus on the language, critical thinking and academic skills required in your further studies. Advanced-level classes focus on the language skills specific to your study area, including business, design, engineering and information technology.

You will develop skills in:

- academic writing
- academic reading, listening and note-taking
- communication and interaction in the academic environment
- oral presentations and seminar discussions
- research and library techniques.

## Intensive English

### Advanced

If you have already achieved the English language requirements for your course, we recommend that you undertake this optional five-week intensive program. It is designed to refresh your English language skills and prepare you for academic transition in Australia before you begin your course.

## English Placement Test

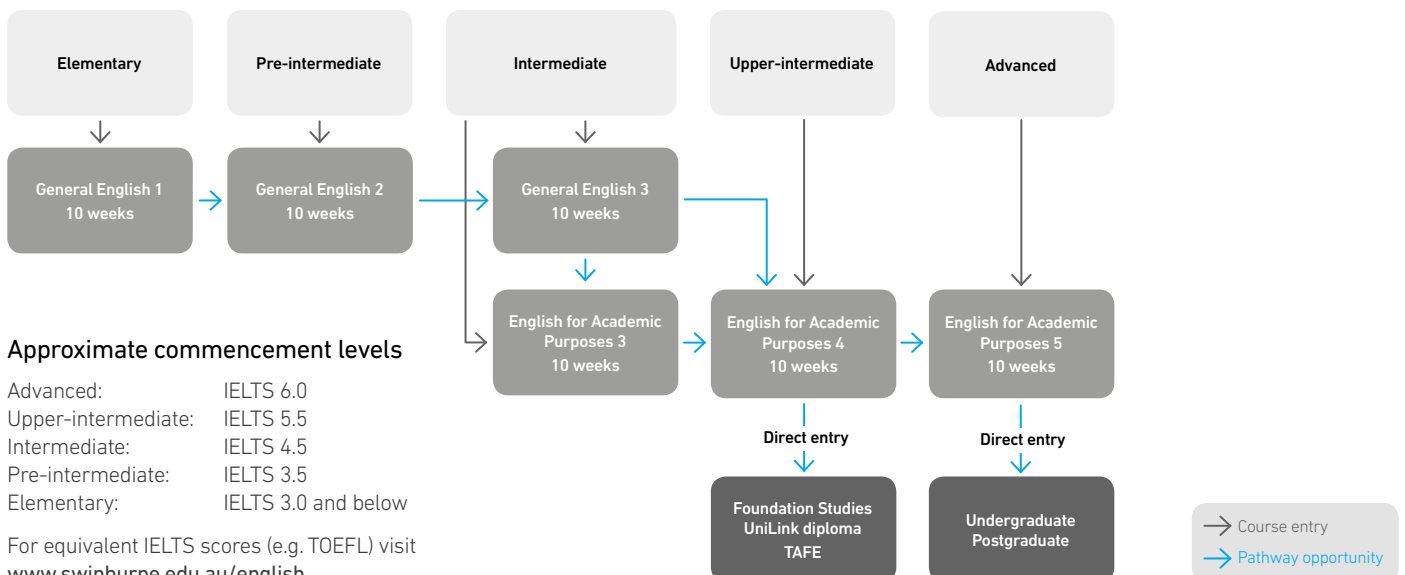
You will need to take an English Placement Test before starting your ELICOS program. The test enables Swinburne College to assess your English language skills and place you at the appropriate level.

## Direct entry to Swinburne

Students who successfully complete English for Academic Purposes to the required level can progress directly to their Swinburne course. Entry is subject to achieving the required results and all other conditions. English language requirements and other prerequisites for individual courses can vary.

Visit [www.swinburne.edu.au/international/courses](http://www.swinburne.edu.au/international/courses) for specific course prerequisites.

## English language course structure



### Approximate commencement levels

|                     |                     |
|---------------------|---------------------|
| Advanced:           | IELTS 6.0           |
| Upper-intermediate: | IELTS 5.5           |
| Intermediate:       | IELTS 4.5           |
| Pre-intermediate:   | IELTS 3.5           |
| Elementary:         | IELTS 3.0 and below |

For equivalent IELTS scores (e.g. TOEFL) visit [www.swinburne.edu.au/english](http://www.swinburne.edu.au/english)

# Entry requirements

## English language requirements

You may be required to sit one of the English language tests prescribed by the Australian Government's Department of Immigration and Border Protection, regardless of whether you meet the Swinburne entry requirements by other means.

The following table shows the minimum requirements for entry into postgraduate study at Swinburne.

Visit [www.swinburne.edu.au/international/courses](http://www.swinburne.edu.au/international/courses) for details about English language requirements for specific courses.

## Academic requirements

You must meet the minimum academic entry requirements to be accepted into your chosen course.

Visit [www.swinburne.edu.au/international/apply/entry-requirements](http://www.swinburne.edu.au/international/apply/entry-requirements) for details of academic entry requirements.

## English requirements for postgraduate study

|  | IELTS<br>(ACADEMIC MODULE)                      | TOEFL<br>PAPER BASED  | TOEFL<br>INTERNET BASED               | ENGLISH FOR<br>ACADEMIC PURPOSES                                     |
|--|---|-----------------------|---------------------------------------|--|
| Postgraduate<br>(Level depends on individual course) | Overall 6.5 (with no individual band below 6.0) | 550 (minimum TWE 5.0) | 79 (with no individual band below 18) | EAP level 5 (Advanced): 70%<br>Overall 70% (all skills 65% or above) |
|  | Overall 7.0 (with no individual band below 6.5) | 577 (minimum TWE 5.0) | 90 (with no individual band below 20) | EAP level 5 (Advanced): 75%<br>Overall 75% (all skills 70% or above) |

Note: Results should be no more than two years old at the time of application.



# Living in Melbourne

Melbourne is known for its restaurant scene, meandering laneways, exciting cafes and boutique shopping.

In the city centre you can explore grand, tree-lined streets and discover hidden laneways while experiencing first-class shopping, dining, theatre and entertainment options. A wide range of festivals are held throughout the year in the CBD, and you'll also find a number of cultural and arts venues such as the National Gallery of Victoria and the Australian Centre for the Moving Image.

Melbourne's inner-urban suburbs are also popular destinations: St Kilda offers beaches, clubs, bars and restaurants; Carlton has an Italian feel with coffee shops, pizzerias, bookshops and an arthouse cinema; Prahran is filled with trendy fashion boutiques; and Fitzroy has a bohemian vibe with unique shopping and dining options.

## Living costs

Living costs will depend on the accommodation you choose and the lifestyle you lead, and as such all costs in this section are indicative only.

Students who are living and studying in Melbourne will require approximately A\$23,000 to A\$30,000 per year for ongoing living costs (not including tuition fees or airfares). Add to this a budget of approximately A\$2300 to A\$5000 for the initial costs of establishing yourself in Melbourne and approximately A\$1000 to A\$2000 if you need to purchase a computer.

Visit [www.swinburne.edu.au/international/living-expenses](http://www.swinburne.edu.au/international/living-expenses)

The Australian Government requires prospective student visa applicants and any family members accompanying them to have access to minimum funds to meet living cost requirements.

Visit [www.immi.gov.au/students](http://www.immi.gov.au/students) for more information.

## Accommodation

From the Residential College to student apartments, to off-campus rooms and houses, there is a range of housing options available.

Visit [www.swinburne.edu.au/international/accommodation](http://www.swinburne.edu.au/international/accommodation) for more information.

## Options in Hawthorn

### Residential College and Apartments

The 84-bed student Residential College provides a safe and supportive on-campus environment. Accommodation in the Residential College costs between A\$298 and A\$313\* per week per person, including gas, water, electricity and breakfast daily.

There are also 151 beds available in the two- and three-bedroom on-campus apartments. Apartments range from A\$239 to A\$285\* per week per person, including gas, water and electricity.

### UniLodge @ Swinburne Place

The 125 UniLodge designer apartments are fully furnished, including a TV and modern kitchens, plus a common room with a pool table and televisions, a laundry and an outdoor barbeque area. The apartments have security keycard access and CCTV surveillance.

Single-room studios and two-, three- and four-bedroom apartments are available, costing between A\$233 and A\$388\* per week per person including gas, water and electricity.

### UniLodge Vivida

The UniLodge Vivida complex comprises 194 fully furnished studio apartments. They feature ensuite bathrooms, security keycard access and CCTV surveillance, televisions and DVD players in each room, private balconies, and air-conditioning and dishwashers (selected apartments only). Common facilities include a rooftop garden and barbeque area, and laundry facilities. Apartments cost between A\$220 and A\$320\* per week including water and gas.

\*Prices listed are current for 2014. Visit [www.swinburne.edu.au/housing](http://www.swinburne.edu.au/housing) for up-to-date accommodation costs.

## Other options

Due to the varying nature of off-campus accommodation costs, all costs in this section should be taken as a guide only.

### Private rental and share accommodation

You can choose to rent your own apartment, or share a rental house or apartment with other students. You can't pre-book share accommodation, so if you are seeking this type of accommodation we recommend you choose a short-term option for when you first arrive, then look for something to rent after you have settled in. Swinburne has a database of housing vacancies around each campus; visit [www.swinburne.studystays.com.au](http://www.swinburne.studystays.com.au) to sign up as a future student.

The approximate cost of share accommodation is between A\$140 and A\$190 per week per person in the inner suburbs (including Hawthorn), or between A\$110 and A\$170 per week per person in the outer suburbs. This estimate does not include utilities (gas, electricity and water), which cost approximately A\$25 per week.

Setting up your own apartment or house will usually mean furnishing it, so you will also need to budget for that.

### Living with an Australian family

Homestay is an opportunity for you to live with a local Australian resident or family. It is a great way to develop your English skills, make new friends and experience the Australian lifestyle.

You will live in a furnished bedroom as a guest in a home, with two meals a day provided from Monday to Friday, and three meals on weekends. The cost per week is A\$280 for students aged over 18 years of age.

A placement fee of A\$240 and one month homestay payment must be paid prior to the placement commencing.

Visit [www.swinburne.edu.au/international/homestay](http://www.swinburne.edu.au/international/homestay) for more information.

# How to apply

Follow these steps carefully to ensure your application is processed properly.

If you need assistance with your application, you can email our application adviser at [international@swinburne.edu.au](mailto:international@swinburne.edu.au)

You can also speak with a registered Swinburne representative in your home country.

Visit [www.swinburne.edu.au/international/representatives](http://www.swinburne.edu.au/international/representatives) to view a list of Swinburne representatives.

Note: Visit [www.swinburne.edu.au/pyp](http://www.swinburne.edu.au/pyp) for information about applying for a Professional Year Program.

## 1 Choose the program that suits your interests and career goals

- See pages 21–47 for program descriptions.
- Collect any documents you may require to apply to receive credit for previous study and/or experience.
- Visit [www.swinburne.edu.au/international/courses](http://www.swinburne.edu.au/international/courses) to check application closing dates.

## 2 Complete the application form

- Visit [www.swinburne.edu.au/international/apply](http://www.swinburne.edu.au/international/apply) to download a copy of the application form.
- Read the application form carefully and provide all of the required documents so we can assess your application.
- Complete the credit transfer section on the form if you wish to apply for credit.
- Sign the declaration.

## 3 Attach additional required documents (if applicable) to your application form

These documents include:

- certified academic transcripts with grading system
- English translations where applicable
- certified English proficiency test results
- referee reports (if applicable)
- portfolio (for some design programs)
- course or unit syllabus if you are applying for exemptions (e.g. credit transfer or Recognition of Prior Learning)
- copy of passport (photo page and relevant visa page, if applicable).

## 4 Submit your application form and required documents

You can send your completed application form along with relevant documents to your registered Swinburne representative or send it directly to Swinburne at:

Swinburne International  
PO Box 218  
HAWTHORN VIC 3122  
AUSTRALIA

Email: [international@swinburne.edu.au](mailto:international@swinburne.edu.au)  
Fax: +61 3 9818 3648

## 5 Receive your offer via email

Swinburne will assess your application. If you are successful you will receive a letter of offer via email.

Note: If you receive a conditional offer, you will be required to meet the condition(s) outlined in your offer letter.

## Applying for credit transfer

### What is credit transfer?

Credit transfer is exemption from certain course requirements in recognition for previous study and/or experience. The term 'credit' is used interchangeably with 'Recognition of Prior Learning', 'advanced standing' and/or 'status' in Australian universities.

### How to apply for credit transfer

You can apply for credit transfer by submitting a course or unit (subject) syllabus or other evidence of your skills with your application. You must also indicate on your application form that you are applying for credit transfer.

If you are applying for credit transfer for a design course, you may need to submit a portfolio.

If your application for credit transfer is successful, your letter of offer will state the updated course duration and the amount of credit for which you have been assessed. If you do not apply for credit transfer when you submit your application, you can do so within the first week of commencing your course. Applications for credit transfer made after this time may not be approved.

### Accepting your offer

If your application is successful, you will receive a letter of offer to study at Swinburne. The offer will indicate:

- the course you have been offered
- the annual tuition fee
- the course commencement date
- the duration of the course
- the deposit to be paid
- the fee for your visa-length overseas student health cover
- any conditions to the offer
- any additional information relevant to your course.

Visit [www.swinburne.edu.au/international/accept](http://www.swinburne.edu.au/international/accept) to find out how to accept your offer.



# Other information

## Applying for your student visa

You will need to obtain an Overseas Student Confirmation of Enrolment (CoE) from Swinburne to complete your student visa application. Your CoE must accompany your application to the Department of Immigration and Border Protection or Australian diplomatic mission in your country.

Visit [www.immi.gov.au](http://www.immi.gov.au) for more information.

## Overseas student health cover

All student-visa holders must have overseas student health cover (OSHC) for the duration of their study.

Swinburne will arrange your visa-length OSHC membership with our preferred provider, OSHC Worldcare. The OSHC fee will be included with your deposit indicated in your letter of offer.

Visa-length OSHC membership is a once-only payment that provides rate protection for the duration of the visa. This means that even if OSHC fees increase during the duration of your visa, you do not have to pay any increase.

If you need to extend your OSHC (for example, if you fail some units and need to extend your stay in Australia to complete your course), it is your responsibility to do this directly with the OSHC provider.

Exceptions apply to Norwegian students insured under the Norwegian National Insurance Scheme (NIS) and Swedish students with health insurance provided by CSN International (the Swedish National Board of Student Aid). Please include evidence with your application if you are covered under one of these programs.

Visit [www.swinburne.edu.au/international/arrival/health-cover](http://www.swinburne.edu.au/international/arrival/health-cover)

## Students with families

If you plan to bring your family to Australia, check if any restrictions apply by contacting the Department of Immigration and Border Protection or the Australian diplomatic mission in your country. You will also need to obtain OSHC membership for your family.

### Children

If you have children between five and 15 years of age who you plan to bring to Australia, you must enrol them in school. Full fees are payable at both government and non-government schools.

If you will be enrolled as a postgraduate research student at Swinburne, the Victorian Government may provide exemption from tuition fees in Victorian government primary and secondary schools for your children.

Visit [www.education.vic.gov.au](http://www.education.vic.gov.au) to find a complete list of Victorian primary and secondary schools. Information about fees, applications and enrolment for government primary and secondary schools may be found online at [www.study.vic.gov.au](http://www.study.vic.gov.au)

Applications to non-government schools must be made directly to the school of your choice.

Note: Your student visa assessment criteria may change if your family is accompanying you to Australia.

## Your rights and responsibilities

The Educational Services for Overseas Students (ESOS) Act regulates the education and training sector's involvement with overseas students studying in Australia on student visas.

Visit [www.swinburne.edu.au/international/esos-framework](http://www.swinburne.edu.au/international/esos-framework) to read a description of the ESOS framework.

Restrictions may apply if you wish to change your enrolment. Visit [www.swinburne.edu.au/international/enrolment-change](http://www.swinburne.edu.au/international/enrolment-change) for more information about deferring, suspending or cancelling your enrolment.

Visit [www.swinburne.edu.au/international/apply/after-you-apply/accept-offer](http://www.swinburne.edu.au/international/apply/after-you-apply/accept-offer) to read Swinburne's refund provisions, which are outlined in the offer acceptance form.

# Postgraduate programs

| COURSEWORK PROGRAM   | CAMPUS   | DURATION    | INTAKE        | 2015 INDICATIVE COURSE FEE*   | PAGE |
|--|----------|-------------|---------------|-------------------------------|------|
| <b>BUSINESS AND MANAGEMENT</b>   |          |             |               |                               |      |
| Master of Business Administration  | Hawthorn | 1.5 years   | Mar, Sep      | A\$25,120 annual              | 23   |
| Master of Business Administration/Master of Entrepreneurship and Innovation            | Hawthorn | 2 years     | Mar, Aug, Sep | A\$25,120 annual              | 23   |
| Master of Business Administration/Master of Strategic Foresight                        | Hawthorn | 2 years     | Mar, Sep      | A\$25,120 annual              | 23   |
| Master of Business Management  | Hawthorn | 1.5 years   | Mar, Aug      | A\$24,000 annual              | 24   |
| Master of Commerce (Integrated Human Resource Management)                              | Hawthorn | 2 years     | Mar, Aug      | A\$24,000 annual              | 25   |
| Master of Commerce (Human Resource Management)   | Hawthorn | 1.5 years   | Mar, Aug      | A\$24,000 annual              | 25   |
| Master of Commerce (International Business)  | Hawthorn | 1.5 years   | Mar, Aug      | A\$24,000 annual              | 25   |
| Master of Commerce (International Business) <i>Global Leadership Program</i>           | Hawthorn | 2 years     | Mar, Aug      | A\$26,500 annual              | 25   |
| Master of Entrepreneurship and Innovation  | Hawthorn | 1.5 years   | Mar, Aug      | A\$25,120 annual              | 24   |
| Master of Finance and Banking  | Hawthorn | 1.5 years   | Mar, Aug      | A\$24,000 annual              | 24   |
| Master of Integrated Marketing   | Hawthorn | 2 years     | Mar, Aug      | A\$24,000 annual              | 26   |
| Master of Marketing  | Hawthorn | 1.5 years   | Mar, Aug      | A\$24,000 annual              | 26   |
| Master of Marketing <i>Global Leadership Program</i>                                   | Hawthorn | 2 years     | Mar, Aug      | A\$26,500 annual              | 26   |
| Master of Practising Accounting  | Hawthorn | 2 years     | Mar, Aug      | A\$24,000 annual              | 21   |
| Master of Professional Accounting  | Hawthorn | 1.5 years   | Mar, Aug      | A\$24,000 annual              | 22   |
| Master of Professional Accounting <i>Global Leadership Program</i>                     | Hawthorn | 2 years     | Mar, Aug      | A\$29,813 <sup>a</sup> annual | 22   |
| Master of Social Investment and Philanthropy   | Hawthorn | 1.5 years   | Mar, Aug      | A\$24,000 annual              | 26   |
| Master of Strategic Foresight  | Hawthorn | 1.5 years   | Mar, Aug      | A\$25,120 annual              | 27   |
| Graduate Diploma of Business Management  | Hawthorn | 1 year      | Mar, Aug      | A\$24,000 total               | 24   |
| Graduate Diploma of Commerce (Human Resource Management)                               | Hawthorn | 1 year      | Mar, Aug      | A\$24,000 total               | 25   |
| Graduate Diploma of Commerce (International Business)                                  | Hawthorn | 1 year      | Mar, Aug      | A\$24,000 total               | 25   |
| Graduate Diploma of Commerce (International Business) <i>Global Leadership Program</i> | Hawthorn | 1 year      | Mar, Aug      | A\$29,813 <sup>a</sup> total  | 25   |
| Graduate Diploma of Marketing  | Hawthorn | 1 year      | Mar, Aug      | A\$24,000 total               | 26   |
| Graduate Diploma of Professional Accounting  | Hawthorn | 1 year      | Mar, Aug      | A\$24,000 total               | 22   |
| Graduate Certificate of Business Administration  | Hawthorn | 6 months    | Mar, Sep      | A\$12,560 total               | 23   |
| Graduate Certificate of Business Management <sup>b</sup>                               | Hawthorn | 6 months    | Mar, Aug      | A\$12,000 total               | 24   |
| Graduate Certificate of Business Management (Executive Administration) <sup>b</sup>    | Hawthorn | 6 months    | Mar, Aug      | A\$12,000 total               | 24   |
| Graduate Certificate of Commerce (Human Resource Management) <sup>b</sup>              | Hawthorn | 6 months    | Mar, Aug      | A\$12,000 total               | 25   |
| Graduate Certificate of Commerce (International Business)                              | Hawthorn | 6 months    | Mar, Aug      | A\$12,000 total               | 25   |
| Graduate Certificate of Entrepreneurship and Innovation                                | Hawthorn | 6 months    | Mar, Aug      | A\$12,560 total               | 24   |
| Graduate Certificate of Finance and Banking  | Hawthorn | 6 months    | Mar, Aug      | A\$12,000 total               | 24   |
| Graduate Certificate of Marketing  | Hawthorn | 6 months    | Mar, Aug      | A\$12,000 total               | 26   |
| Graduate Certificate of Management Studies   | Hawthorn | 6 months    | Mar, Aug      | A\$12,000 total               | 27   |
| Graduate Certificate of Professional Accounting  | Hawthorn | 6 months    | Mar, Aug      | A\$12,000 total               | 22   |
| Professional Year Program: Skilled Migration Internship Program – Accounting           | Hawthorn | 44–52 weeks | Mar, Aug      | A\$12,700 total <sup>c</sup>  | 22   |
| <b>DESIGN</b>  |          |             |               |                               |      |
| Master of Design (Communication Design)  | Hawthorn | 1.5 years   | Mar           | A\$24,720 annual              | 29   |
| Master of Design (Design Anthropology)   | Hawthorn | 1.5 years   | Mar           | A\$24,720 annual              | 30   |
| Master of Design (Interior Design)   | Hawthorn | 1.5 years   | Mar           | A\$24,720 annual              | 31   |
| Graduate Diploma of Design (Communication Design)                                      | Hawthorn | 1 year      | Mar           | A\$24,720 total               | 29   |
| Graduate Diploma of Design (Interior Design)   | Hawthorn | 1 year      | Mar           | A\$24,720 total               | 31   |

| COURSEWORK PROGRAM  | CAMPUS   | DURATION    | INTAKE   | 2015 INDICATIVE COURSE FEE*  | PAGE |
|---|----------|-------------|----------|------------------------------|------|
| <b>ENGINEERING</b>  |          |             |          |                              |      |
| Master of Construction Management   | Hawthorn | 1.5 years   | Mar, Aug | A\$28,300 annual             | 35   |
| Master of Engineering (Advanced Manufacturing Technology)   | Hawthorn | 1.5 years   | Mar, Aug | A\$28,300 annual             | 33   |
| Master of Engineering (Advanced Manufacturing Technology)/<br>Master of Entrepreneurship and Innovation | Hawthorn | 2 years     | Mar, Aug | A\$28,300 annual             | 33   |
| Master of Engineering (Civil)   | Hawthorn | 1.5 years   | Mar, Aug | A\$28,300 annual             | 34   |
| Master of Engineering (Civil)/Master of Construction Management   | Hawthorn | 2 years     | Mar, Aug | A\$28,300 annual             | 34   |
| Master of Engineering (Civil)/Master of Entrepreneurship and Innovation                                 | Hawthorn | 2 years     | Mar, Aug | A\$28,300 annual             | 34   |
| Master of Engineering (Electrical and Electronic)   | Hawthorn | 1.5 years   | Mar, Aug | A\$28,300 annual             | 35   |
| Master of Engineering (Electrical and Electronic)/Master of Entrepreneurship<br>and Innovation          | Hawthorn | 2 years     | Mar, Aug | A\$28,300 annual             | 35   |
| Master of Engineering Science (Advanced Manufacturing Technology)                                       | Hawthorn | 2 years     | Mar, Aug | A\$28,300 annual             | 33   |
| Master of Engineering Science (Civil)   | Hawthorn | 2 years     | Mar, Aug | A\$28,300 annual             | 34   |
| Master of Engineering Science (Electrical and Electronic)   | Hawthorn | 2 years     | Mar, Aug | A\$28,300 annual             | 35   |
| Graduate Diploma of Engineering (Advanced Manufacturing Technology)                                     | Hawthorn | 1 year      | Mar, Aug | A\$28,300 total              | 33   |
| Graduate Diploma of Engineering (Civil)   | Hawthorn | 1 year      | Mar, Aug | A\$28,300 total              | 34   |
| Graduate Diploma of Engineering (Electrical and Electronic)   | Hawthorn | 1 year      | Mar, Aug | A\$28,300 total              | 35   |
| Graduate Diploma of Construction Management   | Hawthorn | 1 year      | Mar, Aug | A\$28,300 total              | 35   |
| Graduate Certificate in Construction Management   | Hawthorn | 6 months    | Mar, Aug | A\$14,150 total              | 35   |
| Graduate Certificate of Engineering (Advanced Manufacturing Technology)                                 | Hawthorn | 6 months    | Mar, Aug | A\$14,150 total              | 33   |
| Graduate Certificate of Engineering (Civil)   | Hawthorn | 6 months    | Mar, Aug | A\$14,150 total              | 34   |
| Graduate Certificate of Engineering (Electrical and Electronic)   | Hawthorn | 6 months    | Mar, Aug | A\$14,150 total              | 35   |
| Engineers Australia Professional Year in Engineering  | Hawthorn | 44–52 weeks | Mar, Aug | A\$15,200 total <sup>d</sup> | 36   |
| <b>INFORMATION AND COMMUNICATION TECHNOLOGIES</b>   |          |             |          |                              |      |
| Master of Engineering Science (Network Systems and Telecommunications)                                  | Hawthorn | 2 years     | Mar, Aug | A\$26,620 annual             | 40   |
| Master of Information Systems Management  | Hawthorn | 2 years     | Mar, Aug | A\$25,840 annual             | 38   |
| Master of Information Systems Management/Master of Business Administration                              | Hawthorn | 2 years     | Mar, Aug | A\$25,840 annual             | 38   |
| Master of Information Technology  | Hawthorn | 2 years     | Mar, Aug | A\$26,620 annual             | 38   |
| Master of Information Technology Business Analysis  | Hawthorn | 2 years     | Mar, Aug | A\$25,840 annual             | 39   |
| Master of Information Technology (Professional Computing) <sup>e</sup>                                  | Hawthorn | 2 years     | Mar, Aug | A\$19,965 annual             | 39   |
| Master of Information Technology Project Management   | Hawthorn | 2 years     | Mar, Aug | A\$25,840 annual             | 39   |
| Master of Science (Network Systems) <sup>e</sup>  | Hawthorn | 2 years     | Mar, Aug | A\$19,965 annual             | 40   |
| Graduate Diploma of Information Systems Management  | Hawthorn | 1.5 years   | Mar, Aug | A\$25,840 annual             | 38   |
| Graduate Diploma of Information Technology  | Hawthorn | 1.5 years   | Mar, Aug | A\$26,620 annual             | 38   |
| Graduate Diploma of Information Technology Business Analysis  | Hawthorn | 1.5 years   | Mar, Aug | A\$25,840 annual             | 39   |
| Graduate Diploma of Information Technology Project Management   | Hawthorn | 1.5 years   | Mar, Aug | A\$25,840 annual             | 39   |
| Graduate Diploma of Engineering Science (Network Systems and<br>Telecommunications)                     | Hawthorn | 1.5 years   | Mar, Aug | A\$26,620 annual             | 40   |
| Graduate Certificate of Information Systems Management  | Hawthorn | 1 year      | Mar, Aug | A\$25,840 total              | 38   |
| Graduate Certificate of Information Technology  | Hawthorn | 1 year      | Mar, Aug | A\$26,620 total              | 38   |
| Graduate Certificate in Information Technology Business Analysis  | Hawthorn | 1 year      | Mar, Aug | A\$25,840 total              | 39   |
| Graduate Certificate of Information Technology Project Management                                       | Hawthorn | 1 year      | Mar, Aug | A\$25,840 total              | 39   |
| Graduate Certificate of Science (Network Systems)   | Hawthorn | 1 year      | Mar, Aug | A\$26,620 total              | 40   |
| ACS Professional Year in Computer Science   | Hawthorn | 44–52 weeks | Mar, Aug | A\$12,700 total <sup>f</sup> | 37   |

# Programs (continued)

| COURSEWORK PROGRAM                                      | CAMPUS   | DURATION | INTAKE   | 2015 INDICATIVE COURSE FEE* | PAGE |
|---|----------|----------|----------|-----------------------------|------|
| <b>MEDIA AND COMMUNICATIONS</b>                         |          |          |          |                             |      |
| Master of Arts (Media and Communications)               | Hawthorn | 2 years  | Mar, Aug | A\$22,960 annual            | 41   |
| Graduate Diploma of Arts (Media and Communications)     | Hawthorn | 1 year   | Mar, Aug | A\$22,960 total             | 41   |
| Graduate Diploma of Multimedia                          | Hawthorn | 1 year   | Mar, Aug | A\$24,760 total             | 41   |
| Graduate Certificate of Arts (Media and Communications) | Hawthorn | 6 months | Mar, Aug | A\$11,480 total             | 41   |
| Graduate Certificate of Multimedia                      | Hawthorn | 6 months | Mar, Aug | A\$12,380 total             | 41   |
| <b>PSYCHOLOGY</b>                                       |          |          |          |                             |      |
| Doctor of Philosophy (Clinical Psychology)              | Hawthorn | 4 years  | Mar      | A\$27,400 annual            | 44   |
| Doctor of Psychology (Clinical Psychology)              | Hawthorn | 4 years  | Mar      | A\$27,400 annual            | 44   |
| Doctor of Psychology (Counselling Psychology)           | Hawthorn | 4 years  | Mar      | A\$27,400 annual            | 45   |
| Master of Psychology (Counselling Psychology)           | Hawthorn | 2 years  | Mar      | A\$27,400 annual            | 45   |
| <b>SCIENCE</b>  |          |          |          |                             |      |
| Master of Science (Biotechnology)                       | Hawthorn | 2 years  | Mar, Aug | A\$26,720 annual            | 46   |
| Graduate Diploma of Science (Biotechnology)             | Hawthorn | 1 year   | Mar, Aug | A\$26,720 total             | 46   |

## Notes

\*The indicative course fees detailed in this publication relate to 2015 only. They are based on a standard study load per year. However, please note that fees are assessed according to a student's study load in each semester, and variation to study load will result in an adjustment to tuition fees. All fees are subject to annual review and may be adjusted.

(a) The fee for this program is based on a study load of 112.5 credit points per year.

(b) This is a postgraduate course accredited by Swinburne University of Technology and delivered by Swinburne's TAFE division. All graduates will receive a Swinburne University of Technology award.

(c) Plus \$250 enrolment fee. These fees are for 2014 and are subject to change for 2015. Applicants who are graduates of Swinburne are eligible for a 10 per cent discount on the total course fee.

(d) Fee includes an application fee. Fees and associated policies for this course are set by Engineering Education Australia. These fees are for 2014 and are subject to change for 2015.

(e) This course may be taken in accelerated format and completed in 1.5 years, in which case students pay the total course fee over this period. The fee for this program is based on a study load of 75 credit points per year.

(f) Plus \$250 enrolment fee. These fees are for 2014 and are subject to change for 2015.


## Online and off-campus programs

Swinburne offers online and off-campus programs that international students can undertake from a country other than Australia.

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

## ▶ Program information

|  |    |
|--|----|
| Business and Management                    | 21 |
| Design                                     | 29 |
| Engineering                                | 33 |
| Information and Communication Technologies | 37 |
| Media and Communications                   | 41 |
| Psychology                                 | 43 |
| Science                                    | 46 |



**'I decided to undertake postgraduate studies at Swinburne to help advance my career. My experience with the teaching staff has been remarkable. They are always willing to answer my questions, either in class or in private consultation times and via email. They provide valuable information as they bring their own work experience to their teaching.'**

**Eleni**  
Master of Finance and Banking

# Business and Management

In today's business environment it is essential that employees are able to demonstrate an increasing contribution to their organisations through postgraduate study. Programs in these disciplines are ideal if you're looking to start your own business, sharpen existing knowledge or upgrade your skill set to move into a more senior position.

## Accounting

### ► Master of Practising Accounting

**Campus:** Hawthorn

**Duration:** Two years

**Intake:** March, August

#### **Entry requirements**

Applicants should have relevant, professional work experience. This program is a non-graduate entry option for students wanting to specialise in accounting for professional recognition who do not have a recognised bachelor degree. Applicants who have a recognised bachelor degree who wish to undertake a two-year program are also encouraged to apply.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### **Course description**

This program offers students the opportunity to specialise in accounting for professional recognition.

Accounting is the language of business and the skills taught in this program are relevant to many areas of professional interest, including marketing, economic forecasting, finance and engineering. Knowledge of accounting and finance can help individuals and organisations understand how to use resources (money) to the best advantage.

The program incorporates units from the Master of Professional Accounting, Graduate Diploma of Professional Accounting and Graduate Certificate of Professional Accounting.

#### **Units of study**

Units include: Accounting Principles, Accounting Information Systems, Business Modelling and Analysis, Corporations and Contract Law, Corporate Financial Management, Financial Reporting, Managerial Accounting, Research Methodology, Company Auditing, Financial Accounting Theory, Income Tax Law, Economics, Derivatives and Risk Management, Personal Investment, Capital Markets, Strategic Cost Management.

#### **Career opportunities**

Graduates may gain enhanced theoretical and practical knowledge to improve job performance and opportunities for career advancement in the accounting and finance areas.

#### **Professional recognition**

Graduates may be eligible for membership of CPA Australia, Institute of Chartered Accountants in Australia, Institute of Public Accountants and Association of Chartered Certified Accountants.

## Accounting (continued)

### ▶ Master of Professional Accounting

Incorporating:

- ▶ Graduate Diploma of Professional Accounting
- ▶ Graduate Certificate of Professional Accounting

**Campus:** Hawthorn

**Duration:** *Master* – Eighteen months

*Graduate diploma* – One year

*Graduate certificate* – Six months

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree in business.

Applicants with a recognised bachelor degree in another discipline are also encouraged to apply.

Applicants without a recognised qualification who have at least five years' relevant work experience are also encouraged to apply.

All applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program is designed to provide students with the technical, practical, analytical and creative skills required to deal with accounting and finance issues in planning and decision-making.

#### Units of study

Units include: Accounting Principles, Accounting Information Systems, Business Modelling and Analysis, Corporations and Contract Law, Corporate Financial Management, Financial Reporting, Managerial Accounting, Research Methodology, Company Auditing, Financial Accounting Theory, Income Tax Law, Economics.

#### Career opportunities

Graduates may gain enhanced theoretical and practical knowledge to improve job performance and opportunities for career advancement in the accounting and finance areas.

#### Professional recognition

Graduates may be eligible for membership of CPA Australia, Institute of Chartered Accountants in Australia, Institute of Public Accountants and Association of Chartered Certified Accountants.

### ▶ Master of Professional Accounting Global Leadership Program

**Campus:** Hawthorn

**Duration:** Two years

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree.

Applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants must meet the academic requirements outlined by both Swinburne and Northeastern University. Students who wish to study in the USA must obtain an appropriate visa.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program offers students two professionally recognised master degrees in two years from two high-ranking institutions: a Master of Professional Accounting from Swinburne and a Master of Science in Leadership from Northeastern University in Boston, USA. The program is delivered in Melbourne via a combination of face-to-face and online delivery modes. Students also have the opportunity to undertake part of the program at Northeastern, subject to application and visa requirements.

The accounting component provides students with the technical, practical, analytical and creative skills required to effectively deal with accounting and finance issues in planning and decision-making.

The leadership component is designed to assist today's leaders and prepare emerging leaders to meet the challenges of a complex and diverse workforce, and is taught by Northeastern academics.

#### Units of study

Students may be required to undertake a six-week Winter Term in addition to the usual teaching periods.

Accounting units include: Accounting Principles, Accounting Information Systems, Business Modelling and Analysis, Corporations and Contract Law, Corporate Financial Management, Research Methodology, Financial Reporting, Managerial Accounting, Economics, Financial Accounting Theory.

Leadership units include: Developing Your Leadership Capability, Creating a High-Performance Organisation, Creating Leadership Capacity, Leading Teams, Building Financial Relationships, The Ethical Leader, Developing the Strategic Leader, Managing Organisational Culture.

#### Career opportunities

Graduates may have enhanced theoretical and practical knowledge to improve job performance and opportunities for career advancement in international labour markets.

Visit [www.swinburne.edu.au/globalprograms](http://www.swinburne.edu.au/globalprograms)

## Accounting – professional year program

### ▶ Skilled Migration Internship Program – Accounting (SMIPA)

**Campus:** Hawthorn, external venue (International Institute of Business and Technology, Perth)

**Duration:** 44–52 weeks

**Intake:** Visit [www.swinburne.edu.au/pyip](http://www.swinburne.edu.au/pyip) for intake dates

#### Entry requirements

A recognised bachelor or master degree in accounting from an Australian institution.

Applicants must have an IELTS overall band of 6.0 (Academic or General Modules) with no individual band below 6.0 or equivalent (see page 11 for details).

They must undertake a skills assessment from an Australian accounting body, as well as an interview as part of their application. Students must hold a Skilled Graduate (Temporary) visa (subclass 485) or Bridging Visa A; student-visa holders are not eligible.

This program is approved by the Department of Immigration and Border Protection.

#### Course description

This program gives international graduates an opportunity to enhance their qualification and gain valuable experience in the workplace. It includes:

- practical training and workshops
- a 12-week industry work placement
- access to networking opportunities and professional development.

The program has been developed in conjunction with CPA Australia, the Institute of Chartered Accountants and the Institute of Public Accountants.

#### Units of study

Units include: Communication and Performance in the Australian Workplace, Entry and Advancement in the Australian Workplace, Introduction to MYOB\*.

\*This unit is delivered online.

#### Industry work placement

Students have the opportunity to gain practical experience and enhance their career prospects with a 12-week industry work placement.



## Business administration

### ▶ Master of Business Administration

Incorporating:

#### ▶ Graduate Certificate of Business Administration

Campus: Hawthorn

Duration: *Master* – Eighteen months

*Graduate certificate* – Six months

Intake: March, September\*

\*Students commencing in September may complete a master qualification in 15 months.

Visit [www.swinburne.edu.au/international](http://www.swinburne.edu.au/international) for more information.

#### Entry requirements

A recognised bachelor degree in business plus at least three years' work experience in a management role.

Applicants with a recognised bachelor degree in another discipline plus at least three years' work experience in a management role are also encouraged to apply.

Applicants without a relevant qualification who have at least five years' work experience in a management role are also encouraged to apply.

All applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program offers students contemporary management knowledge and enhanced leadership skills. They also have the opportunity to apply that knowledge in innovative, creative and entrepreneurial ways. Students learn how to engage and deal with uncertainty and change in the environments in which their organisations operate. They also develop skills in strategic thinking, leadership and change, innovation and entrepreneurship, and ethical and social responsibility.

This program is designed to:

- develop skilled and competent managers and leaders who are innovative, have a cosmopolitan world view and are socially conscious when engaging with problems or opportunities
- enable students to meet the changing demands of business and industry to achieve and sustain international competitive advantage
- enable students to have more rewarding, satisfying and sustainable career outcomes.

#### Units of study

Units include: Accounting Information and Managerial Decision-Making, Strategic and Entrepreneurial Marketing, Leading, Operations Management, Management Analysis and Problem-Solving, Business Finance and Quantitative Analysis, Workforce Leadership and Strategy, Business Strategy, Business Information Systems for a Rapidly Changing World, Leadership for Innovation, Governance and Corporate Leadership.

#### Career opportunities

Graduates may have enhanced theoretical and practical knowledge to improve job performance and opportunities for career advancement in leadership and management roles.

### ▶ Master of Business Administration/ Master of Entrepreneurship and Innovation

Campus: Hawthorn

Duration: Two years

Intake: March, August, September

#### Entry requirements

A recognised bachelor degree in business plus at least three years' work experience in a management role. Applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This double degree program aims to provide students with contemporary management knowledge and skills, as well as the ability to apply that knowledge in innovative, creative and entrepreneurial ways. Learning goals and objectives are based around assessing new ventures and opportunities, planning and managing rapid growth, integrating interdisciplinary approaches and applying innovating solutions.

The program is designed to:

- develop skilled and competent managers and leaders who are entrepreneurially oriented, globally focused and socially conscious
- enable students to engage and deal with uncertainty, change and opportunity in the environments in which their organisations operate
- enable students to successfully commercialise an idea.

#### Units of study

Business administration units include: Accounting Information and Managerial Decision-Making, Business Finance and Quantitative Analysis, Business Information Systems for a Rapidly Changing World, Governance and Corporate Leadership, Leadership for Innovation, Leading, Management Analysis and Problem-Solving, Workforce Leadership and Strategy.

Entrepreneurship and innovation units include: Contemporary Challenges in Entrepreneurship and Innovation, Corporate Entrepreneurship and Innovation, Creativity and Innovation, Entrepreneur's Toolkit, Opportunity Discovery, Opportunity Evaluation, Product Innovation, Social Entrepreneurship, Strategic and Entrepreneurial Marketing, Managing for Growth.

#### Career opportunities

Graduates may have enhanced leadership and management capabilities to improve job performance and opportunities for career advancement, as well as the skills to operate effectively in a changing, complex and turbulent environment.

### ▶ Master of Business Administration/ Master of Strategic Foresight

Campus: Hawthorn

Duration: Two years

Intake: March, September

#### Entry requirements

A recognised bachelor degree in business plus at least three years' work experience in a management role. Applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This double degree program aims to provide students with contemporary management knowledge and skills, as well as the ability to apply that knowledge in innovative, creative and entrepreneurial ways. It also offers a sound theoretical and practical foundation for the successful practice of strategic foresight in a range of fields.

The program is designed to:

- develop skilled and competent managers and leaders who are entrepreneurially oriented, globally focused and socially conscious
- enable students to engage and deal with uncertainty, change and opportunity in the environments in which their organisations operate
- enable students to generate creative solutions to issues arising from the processes involved in applying strategic foresight methodologies.

#### Units of study

Business administration units include: Accounting Information and Managerial Decision-Making, Business Finance and Quantitative Analysis, Business Information Systems for a Rapidly Changing World, Business Strategy, Governance and Corporate Leadership, Leadership for Innovation, Leading, Management Analysis and Problem-Solving, Workforce Leadership and Strategy, Strategic and Entrepreneurial Marketing.

Strategic foresight units include: Creativity and Innovation, Foresight Knowledge and Methods, Designing Innovative Futures, Purposeful Leadership in Times of Uncertainty, Powering 21st Century Innovation?, 21st Century Challenges.

#### Career opportunities

Graduates may have enhanced leadership and management capabilities to improve job performance and opportunities for career advancement, as well as the skills to operate effectively in a changing, complex and turbulent environment. Graduates may find employment in government policy areas and niche consulting firms that have a focus on strategy and sustainability.

#### Professional recognition

Graduates may be eligible for membership of the Association of Professional Futurists and World Futures Studies Federation.

## Business management

### ▶ Master of Business Management

Incorporating:

- ▶ Graduate Diploma of Business Management
- ▶ Graduate Certificate of Business Management

**Campus:** Hawthorn

**Duration:** *Master* – Eighteen months

*Graduate diploma* – One year

*Graduate certificate* – Six months

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree in business plus at least one year's relevant work experience.

Applicants with a recognised bachelor degree in another discipline plus at least one year's relevant work experience are also encouraged to apply.

Applicants without a recognised qualification who have at least four years' relevant work experience are also encouraged to apply.

All applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program is suitable for students from a range of disciplines. Students have the opportunity to acquire an understanding of global, national and local pressures on business and a capacity to respond effectively to those pressures. They also learn how to develop dynamic and strategic responses to the complex internal and external challenges in organisations.

At the graduate certificate level, students choose to study general business management units or specialise in executive administration.

#### Units of study

Units include: Managing in a Complex World; Business Analysis and Risk; Leading and Managing People in Chaos and Complexity; Operations and Supply Chain Management; Public Private Interface for Sustainable Infrastructure; Public Relations: Reputation to Risk; Strategic Finance; Contemporary Applied Marketing; Adaptive Strategy and Business Sustainability.

#### Career opportunities

Graduates may have enhanced theoretical and practical knowledge to improve job performance and opportunities for career enhancement into middle- or senior-management roles.

## Entrepreneurship and innovation

### ▶ Master of Entrepreneurship and Innovation

Incorporating:

- ▶ Graduate Certificate of Entrepreneurship and Innovation

**Campus:** Hawthorn

**Duration:** *Master* – Eighteen months

*Graduate certificate* – Six months

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree in business plus at least three years' relevant work experience.

Applicants with a four-year bachelor degree in engineering plus at least two years' relevant work experience are also encouraged to apply.

Applicants with a recognised bachelor degree in another discipline plus at least three years' relevant work experience are also encouraged to apply.

Applicants without a recognised qualification who have at least five years' relevant business work experience are also encouraged to apply.

All applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program is designed to help students understand the hurdles, opportunities, fundamental requirements and specialist skills needed to lead and manage the process of innovation, business start-ups, high growth and rapid change.

The program has been comprehensively redeveloped to include a broad range of relevant case studies and knowledge areas. It is designed to assist in the introduction of new businesses, new products or new processes to the market whether in a charitable or corporate organisation, a small business or a government agency. Students have opportunities to work on projects that have direct relevance to their work.

#### Units of study

Units include: Opportunity Discovery, Creativity and Innovation, Finance for Entrepreneurs, Strategic and Entrepreneurial Marketing, Opportunity Evaluation, Entrepreneurs' Toolkit, Contemporary Challenges in Entrepreneurship and Innovation, Corporate Entrepreneurship and Innovation, Product Innovation, Managing for Growth, Global Entrepreneurship and Innovation, Social Entrepreneurship.

#### Career opportunities

Graduates may be equipped with skills to introduce new businesses, new products or new processes to a range of business environments, including corporate, small business, charitable organisations or government agencies.

## Finance and banking

### ▶ Master of Finance and Banking

Incorporating:

- ▶ Graduate Certificate of Finance and Banking

**Campus:** Hawthorn

**Duration:** *Master* – Eighteen months

*Graduate certificate* – Six months

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree in business.

Applicants with a recognised bachelor degree in another discipline are also encouraged to apply.

Applicants without a recognised qualification who have at least five years' relevant work experience are also encouraged to apply.

All applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program offers students specialised knowledge in modern finance. They learn about the latest developments in the fields of finance and banking with particular emphasis on international trends in the financial sector.

This is particularly relevant for students from countries where the finance sector is making a transition to a modern market-based economy.

#### Units of study

Units include: Accounting Principles, Business Modelling and Analysis, Economics, Corporate Financial Management, Personal Investment, Advanced Financial Management, Business and Entity Valuations, Management of Financial Institutions, Derivatives and Risk Management, Research Methodology, Portfolio Management and International Finance.

#### Career opportunities

Graduates may have enhanced theoretical and practical knowledge to improve job performance and opportunities for career advancement into roles in corporate finance, treasury management, banking, investment banking, financial planning and funds management.

## Human resource management

### ▶ Master of Commerce (Integrated Human Resource Management)

Incorporating:

- ▶ Master of Commerce (Human Resource Management)
- ▶ Graduate Diploma of Commerce (Human Resource Management)
- ▶ Graduate Certificate of Commerce (Human Resource Management)

**Campus:** Hawthorn

**Duration:** *Master (Integrated HRM)* – Two years

*Master (HRM)* – Eighteen months

*Graduate diploma* – One year

*Graduate certificate* – Six months

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree in business.

Applicants with a recognised bachelor degree in another discipline are also encouraged to apply.

Applicants without a recognised qualification who have at least five years' relevant work experience are also encouraged to apply.

All applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program is designed for human resources (HR) practitioners or those who wish to enter the profession. It provides a unique opportunity for students to gain specialised human resource management and business knowledge, and seeks to provide for the ongoing development of HR practitioners in the areas of organisation behaviour, business strategy and entrepreneurial thinking.

The Master of Commerce (Integrated Human Resource Management) is designed for those seeking a specialisation. Students can choose to complete this qualification via coursework or research.

#### Units of study

Units include: Recruitment and Selection, Human Resource Development, Performance and Reward Management, Employee Relations, Managing People across Cultures, Leadership and Team Dynamics, Ethics and Sustainability in Business and Society, Human Resource Management Partnering in the Business Context, Organisational Analysis, Business Transformation for Competitive Success, Knowledge Management, Strategic Human Resource Management in the Business Context.

#### Career opportunities

Many graduates may already be established in a business career. They may have enhanced theoretical and practical knowledge to improve job performance and opportunities for career advancement.

#### Professional recognition

Graduates may be eligible for membership of the Australian Human Resources Institute.

## International business

### ▶ Master of Commerce (International Business)

Incorporating:

- ▶ Graduate Diploma of Commerce (International Business)
- ▶ Graduate Certificate of Commerce (International Business)

**Campus:** Hawthorn

**Duration:** *Master* – Eighteen months

*Graduate diploma* – One year

*Graduate certificate* – Six months

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree in business.

Applicants with a recognised bachelor degree in another discipline are also encouraged to apply.

Applicants without a recognised qualification who have at least five years' relevant work experience are also encouraged to apply.

All applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program aims to provide students with specialised knowledge in international business through both coursework and research. It focuses on ways to recognise and take advantage of the opportunities, and deal with the challenges, inherent in international business environments.

#### Units of study

Units include: Introduction to International Business; International Trade and Finance; International Commercial Law; International Marketing and Research; Australian Trade and Investment; Business in Asia, the Americas and Europe; Managing People Across Cultures; Trends in International Business; International Case Studies; Global Business Strategy.

#### Career opportunities

Graduates may have enhanced theoretical and practical knowledge to improve job performance and opportunities for career advancement in international business.

### ▶ Master of Commerce (International Business) *Global Leadership Program*

Incorporating:

- ▶ Graduate Diploma of Commerce (International Business) *Global Leadership Program*

**Campus:** Hawthorn

**Duration:** *Master* – Two years

*Graduate diploma* – One year

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree. Applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants must meet the academic requirements outlined by both Swinburne and Northeastern University. Students who wish to study in the USA must obtain an appropriate visa.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program offers students two master degrees in two years from two high-ranking institutions: a Master of Commerce (International Business) from Swinburne and a Master of Science in Leadership from Northeastern University in Boston, USA. The program is delivered in Melbourne via a combination of face-to-face and online delivery modes. Students also have the opportunity to undertake part of the program at Northeastern, subject to application and visa requirements.

The international business component aims to provide students with specialised knowledge in international business. It focuses on ways to recognise and take advantage of the opportunities, and deal with the challenges, inherent in international business environments.

The leadership component is designed to assist today's leaders and prepare emerging leaders to meet the challenges of a complex and diverse workforce, and is taught by Northeastern academics.

#### Units of study

Students may be required to undertake a six-week Winter Term in addition to the usual teaching periods.

International business units include: Global Business Strategy, Introduction to International Business, International Marketing and Research, International Economic Development, Integrative International Business Practice and Applied International Consulting.

Leadership units include: Developing Your Leadership Capability, Creating a High-Performance Organisation, Creating Leadership Capacity, Leading Teams, Building Financial Relationships, The Ethical Leader, Developing the Strategic Leader, Managing Organisational Culture.

#### Career opportunities

Graduates may have enhanced theoretical and practical knowledge to improve job performance and opportunities for career advancement in international business. They will also be well positioned for roles across multiple international labour markets.

Visit [www.swinburne.edu.au/globalprograms](http://www.swinburne.edu.au/globalprograms)

## Marketing

### ▶ Master of Integrated Marketing

Incorporating:

- ▶ Master of Marketing
- ▶ Graduate Diploma of Marketing
- ▶ Graduate Certificate of Marketing

**Campus:** Hawthorn

**Duration:** *Master of Integrated Marketing* – Two years  
*Master of Marketing* – Eighteen months  
*Graduate diploma* – One year  
*Graduate certificate* – Six months

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree in business.

Applicants with a recognised bachelor degree in another discipline are also encouraged to apply.

Applicants without a recognised qualification who have at least five years' relevant work experience are also encouraged to apply.

All applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program offers students specialist knowledge in all aspects of marketing. The study of marketing is relevant to all areas of business life and is the major driver of revenue and profits for most organisations. Students will learn how to use available resources to their advantage in a changing environment.

The Master of Integrated Marketing is designed for those seeking a specialisation. Students can choose to complete this qualification via coursework or research.

#### Units of study

Units include: Marketing Management, Consumer Behaviour, Marketing Research Methods, Branding and Creative Innovation, Integrated Marketing Communication, Digital Marketing, Strategic Marketing, Marketing Performance Analysis, Research Methodology, Qualitative Research Methods, Quantitative Research Methods, Marketing Research Project.

#### Career opportunities

Graduates may have enhanced theoretical and practical knowledge to improve job performance and opportunities for career advancement in marketing.

### ▶ Master of Marketing Global Leadership Program

**Campus:** Hawthorn

**Duration:** Two years

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree. Applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants must meet the academic requirements outlined by both Swinburne and Northeastern University. Students who wish to study in the USA must obtain an appropriate visa.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program offers students two master degrees in two years from two high-ranking institutions: a Master of Marketing from Swinburne and a Master of Science in Leadership from Northeastern University in Boston, USA. This program is delivered in Melbourne via a combination of face-to-face and online delivery modes. Students also have the opportunity to undertake part of the program at Northeastern, subject to application and visa requirements.

The marketing component offers students specialist knowledge in all aspects of marketing and is designed to teach students how to use available resources to their advantage in a changing environment.

The leadership component is designed to assist today's leaders and prepare emerging leaders to meet the challenges of a continually diversifying workforce, and is taught by Northeastern academics.

#### Units of study

Students may be required to undertake a six-week Winter Term in addition to the usual teaching periods.

Marketing units include: Marketing Management, Consumer Behaviour, Marketing Research Methods, Branding and Creative Innovation, Integrated Marketing Communication, Digital Marketing, Strategic Marketing, Marketing Performance Analysis.

Leadership units include: Developing Your Leadership Capability, Creating a High-Performance Organisation, Creating Leadership Capacity, Leading Teams, Building Financial Relationships, The Ethical Leader, Developing the Strategic Leader, Managing Organisational Culture.

#### Career opportunities

Graduates may have enhanced theoretical and practical knowledge to improve job performance and opportunities for career advancement in marketing.

They may also be well positioned for roles across multiple international labour markets.

Visit [www.swinburne.edu.au/globalprograms](http://www.swinburne.edu.au/globalprograms)

## Social investment and philanthropy

### ▶ Master of Social Investment and Philanthropy

**Campus:** Hawthorn

**Duration:** Eighteen months

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree in business plus at least three years' relevant work experience.

Applicants without a recognised qualification who have at least five years' relevant work experience are also encouraged to apply.

All applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program is designed for those involved, or who wish to become involved, in personal giving, whether as donors, trustees or advisers. It is also suitable for those working in non-government organisations, government, private business, not-for-profit organisations, philanthropic organisations and related private sector agencies that provide and manage grants and/or raise funds for the wellbeing of citizens.

Students learn policy analysis and applied research skills, conceptual development and technical management skills, critical analysis and new technology skills.

#### Unit of study

Units include: Fundraising and Marketing for Social Innovation, Evaluation and Impact Measurement, Strategic Philanthropy and Grant-Making, Personal and Family Philanthropy.

#### Career opportunities

Graduates may find management, administration, trustee and program officer roles in private and corporate trusts and foundations, public and community affairs, funds management, financial advising, sponsorship and marketing, and consulting.

## Statistics

Swinburne offers an online program in applied statistics that international students can undertake from a country other than Australia.

Visit [www.swinburne.edu.au/international/courses](http://www.swinburne.edu.au/international/courses) for more information.

# Strategic foresight

## ▶ Master of Strategic Foresight

Incorporating:

- ▶ Graduate Certificate of Management Studies

**Campus:** Hawthorn

**Duration:** *Master* – Eighteen months

*Graduate certificate* – Six months

**Intake:** March, August

### **Entry requirements**

A recognised bachelor degree in business plus at least three years' relevant work experience.

Applicants without a recognised qualification who have at least five years' relevant work experience are also encouraged to apply.

All applicants must also submit a 500- to 750-word statement demonstrating their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

### **Course description**

This program aims to provide a foundation for the successful practice of strategic foresight in many fields. It addresses the real probability that human civilisation faces significant environmental, social and cultural challenges, and seeks to equip students to adequately respond to those challenges through strong frameworks and intervention strategies.

Students gain knowledge in futures studies and foresight work and learn about a range of applied implementation options.

### **Units of study**

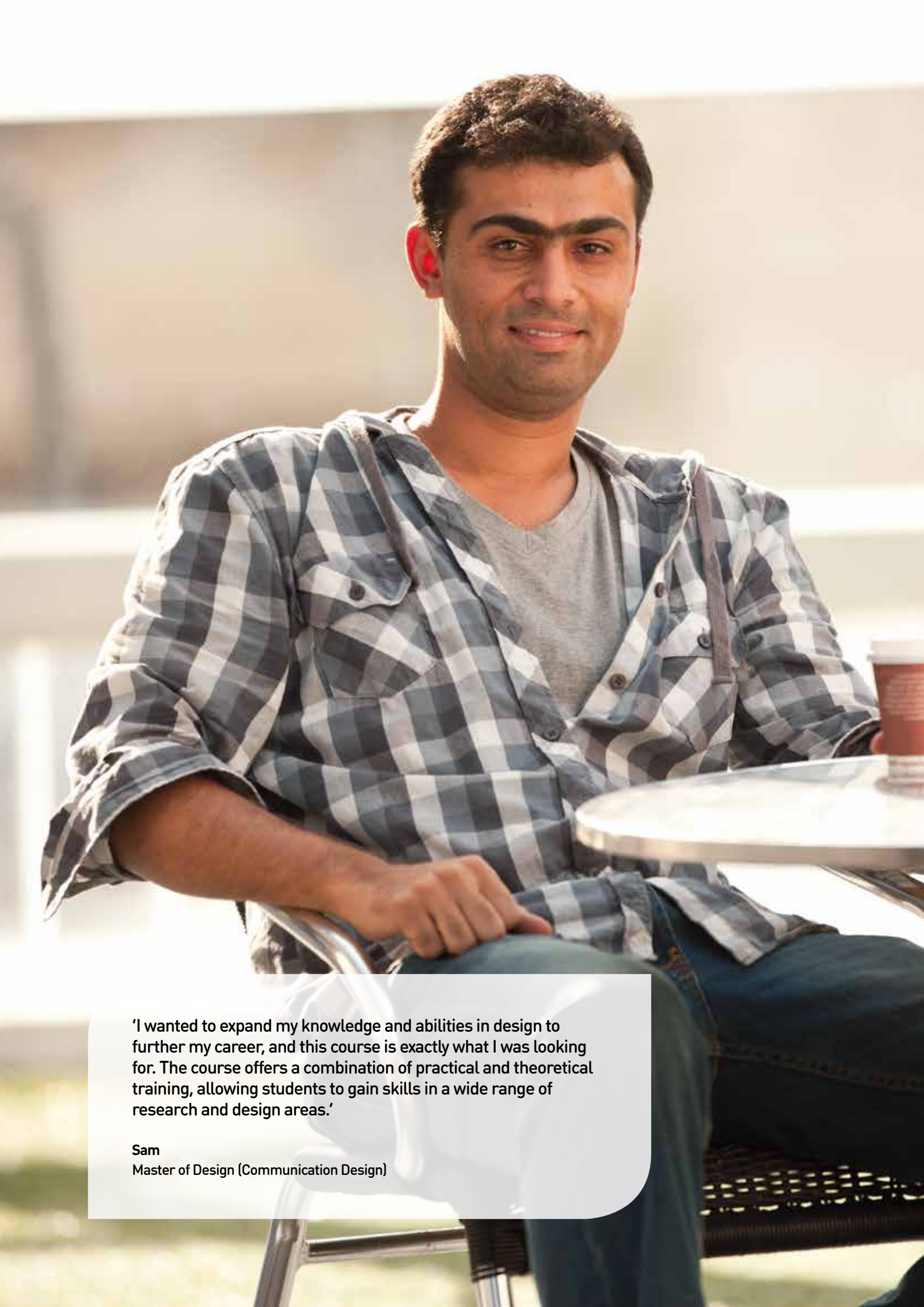
Units include: Management Analysis and Problem-solving, Creativity and Innovation, Managing in a Complex World, Leading, Foresight Knowledge and Methods, Powering 21st Century Innovation?, Purposeful Leadership in times of Uncertainty, 21st Century Challenges, Designing Innovative Futures.

### **Career opportunities**

Graduates may be equipped for roles in foresight and strategy in a range of organisations, including government policy areas and niche consulting firms with a focus on strategy and sustainability.

### **Professional recognition**

Graduates may be eligible for membership of the Association of Professional Futurists and World Futures Studies Federation.



**'I wanted to expand my knowledge and abilities in design to further my career, and this course is exactly what I was looking for. The course offers a combination of practical and theoretical training, allowing students to gain skills in a wide range of research and design areas.'**

**Sam**  
Master of Design (Communication Design)

# Design

Swinburne's postgraduate programs in design aim to develop design leaders of the future. The programs provide advanced study for designers who want to re-focus their career or achieve a higher specialisation to meet the challenges of today's design industry.

## Design Factory

The Swinburne Design Factory is the first 'living lab' dedicated to design in Australia. Student teams work in a professional setting to solve problems or improve products and services for business, government and not-for-profit organisations. Swinburne's new \$100 million Advanced Manufacturing and Design Centre will provide a purpose-built teaching and learning environment for design, business, engineering and information technology students.

Visit [www.swinburne.edu.au/design/design-factory](http://www.swinburne.edu.au/design/design-factory)

## Communication design

### ▶ Master of Design (Communication Design)

Incorporating:

#### ▶ Graduate Diploma of Design (Communication Design)

**Campus:** Hawthorn

**Duration:** *Master* – Eighteen months  
*Graduate diploma* – One year

**Intake:** March

#### Entry requirements

A recognised bachelor degree in design or a design-related area, or a relevant diploma plus at least five years' industry experience.

All applicants must submit a portfolio of work; visit [www.swinburne.edu.au/apply/portfolio](http://www.swinburne.edu.au/apply/portfolio) for submission guidelines.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program offers an advanced understanding of how communication design projects are developed and executed in contemporary design practice. It aims to provide insight into strategic planning from the client's perspective and develop an awareness of client needs in relation to design services.

Students are encouraged to approach design from a range of theoretical frameworks to determine the needs of the user, project parameters and purpose of design. Students also specialise in cross-cultural brand identity design.

#### Units of study

Units include: Research Methods for Design; Fundamental Design Studio; From Print to Screen: A History of Visual Communication Design; Information Design; Communication Design Studio; Typographic Landscapes and Narratives.

Cross-cultural brand identity design units include: Introduction to Cross-Cultural Brand Identity Strategy, Design Strategy for a Global Context, Brand Identity Design in a Multicultural Environment, Cross-Cultural Communication.

#### Career opportunities

Graduates may find work in design consultancies, advertising, publishing, packaging, merchandising, design research or design management.

#### Professional recognition

Graduates may be eligible for membership of the Design Institute of Australia and Australian Graphic Design Association.

# Design anthropology

## ▶ Master of Design (Design Anthropology)

**Campus:** Hawthorn (some units may be available online)

**Duration:** Eighteen months

**Intake:** March

### Entry requirements

A recognised bachelor degree in design, social science (especially anthropology), humanities, information science or a human-computer interaction discipline.

Applicants with other tertiary qualifications and relevant industry experience are also encouraged to apply.

All applicants must submit an entrance essay and a design or design strategy portfolio; visit [www.swinburne.edu.au/apply/portfolio](http://www.swinburne.edu.au/apply/portfolio) for submission guidelines.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

### Course description

Design anthropology combines academic anthropology with the professional practice of design. It seeks to understand how design processes and objects help define what it means to be human – how design translates human values into tangible experiences.

This program aims to provide students with the skills to understand diverse human values and to translate these values into desirable design outcomes that enhance human experiences. The program also seeks to prepare students for leadership in a global, culturally interconnected world.

Specialisation allows additional flexibility to suit students' own career aspirations and interests.

Students can specialise in one of:

- cross-cultural brand identity design
- indigenous knowledge
- sustainable design.

### Units of study

Units include: Research Methods for Design; Fundamental Design Studio; Introduction to Design Anthropology; History and Theory in Design Anthropology; Multisensory Design Anthropology; Designing for Cultural Groups: Kin, Tribes and Communities; Transcultural Aesthetics and Contemporary Design.

Cross-cultural brand identity design units include: Introduction to Cross-Cultural Brand Identity Strategy, Design Strategy for a Global Context, Brand Identity Design in a Multicultural Environment, Cross-Cultural Communication.

Indigenous knowledge units include: Indigenous Knowledge in Global Contexts, Indigenous Approaches of Designing for Cultural Wellness, Situated Knowledge and Community Design, Indigenous Futures.

Sustainable design units include: Principles and Theories of Sustainable Design, Eco-Design Studio, Building Sustainable Design Practices, Sustainable Design.

### Career opportunities

Professionals with a qualification in design anthropology are increasingly sought by a variety of industries from advertising to urban development. As a design anthropologist, anthrodesigner or ethnographer, graduates may choose to explore a career as a user-experience designer/researcher, interaction designer/researcher, branding insight specialist, consumer insight specialist, or social and product innovation consultant.

### Professional recognition

Graduates may be eligible for membership of the Design Institute of Australia.



# Interior design

## ▶ Master of Design (Interior Design)

Incorporating:

### ▶ Graduate Diploma of Design (Interior Design)

**Campus:** Hawthorn

**Duration:** *Master* – Eighteen months

*Graduate diploma* – One year

**Intake:** March

### Entry requirements

A recognised bachelor degree in design or a design-related area, or a relevant diploma plus at least five years' industry experience.

All applicants must submit a portfolio of work; visit [www.swinburne.edu.au/apply/portfolio](http://www.swinburne.edu.au/apply/portfolio) for submission guidelines.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

### Course description

This program is suitable for designers who wish to achieve higher specialisation in interior design. Students explore design projects with a focus on the public and private sectors, including urban, education, health, commercial, residential, entertainment and retail environments.

Issues of demographic and technological change, new materials and manufacturing techniques, social and environmental sustainability, design innovation and entrepreneurial activity are also explored with a view to creating interior environments for the future. Design projects cover the construction of space and place-making.

Specialisation allows additional flexibility to suit students' own career aspirations and interests.

Students can specialise in innovative spatial design or sustainable design.

### Units of study

Units include: Research Methods for Design, Fundamental Design Studio, History of Interior Design, Digital Communications for Interiors, Interior Design Studio, Adaptive Re-Use Studio.

Innovative spatial design units include: Theory of Interior Space; Place and Practice: Retail Environment; Place and Practice: Public Spaces; Interior Design Studio.

Sustainable design units include: Principles and Theories of Sustainable Design, Eco-Design Studio, Building Sustainable Design Practices, Sustainable Design.

### Career opportunities

Graduates may find work in architectural and interior design practices; design management; or design of residential, commercial and government spaces, temporary spaces such as museum displays or public spaces and environments.

### Professional recognition

Graduates may be eligible for membership of the Design Institute of Australia.



'I chose to study at Swinburne because I was impressed by the history and gravitas of the university, and the amazing engineering facilities. What I like most about the course is the combination of subjects offered, and the supportive lecturers and study environment.'

**Nirajan**  
Master of Engineering (Civil)

# Engineering

Swinburne's engineering programs aim to maximise career opportunities and provide a comprehensive practical and theoretical understanding of key issues and technologies. All of our programs are industry-focused, aiming to produce leaders and professionals with advanced skills and knowledge who excel in operational, tactical and strategic management roles.

## Advanced manufacturing technology

### ▶ Master of Engineering Science (Advanced Manufacturing Technology)

Incorporating:

- ▶ Master of Engineering (Advanced Manufacturing Technology)
- ▶ Graduate Diploma of Engineering (Advanced Manufacturing Technology)
- ▶ Graduate Certificate of Engineering (Advanced Manufacturing Technology)

**Campus:** Hawthorn

**Duration:** *Master of Engineering Science* – Two years

*Master of Engineering* – Eighteen months

*Graduate diploma* – One year

*Graduate certificate* – Six months

**Intake:** March, August

#### Entry requirements

A recognised four-year bachelor degree in electrical or electronic, manufacturing or mechanical engineering, or equivalent, with a minimum 60 per cent overall average.

Applicants with other tertiary qualifications and relevant industry experience are also encouraged to apply.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program teaches students about technologies designed to enhance manufacturing efficiency and productivity. It seeks to prepare students for a range of manufacturing engineering and management roles by addressing key manufacturing processes and technologies.

#### Units of study

Units include: Advanced CAD/CAM, Advanced Manufacturing Processes, Computer Modelling Analysis and Visualisation, Intelligent Inspection Systems, Robotics in Manufacturing, Sustainable Design and Manufacture, Technology Management, Advanced Mechatronics, Nanofabrication Technologies, Rapid Manufacturing and Tooling, Six Sigma, Surface Engineering, Work Systems in Manufacturing, Research Methods, Master Project, Master Thesis.

Students also complete elective units.

#### Career opportunities

Graduates may find employment as design, manufacturing, production or systems engineers; or as engineering managers or research and development engineers in the automotive, appliance manufacturing and other manufacturing industries.

### ▶ Master of Engineering (Advanced Manufacturing Technology)/ Master of Entrepreneurship and Innovation new

**Campus:** Hawthorn

**Duration:** Two years

**Intake:** March, August

#### Entry requirements

A recognised four-year bachelor degree in electrical or electronic, manufacturing or mechanical engineering, or equivalent, with a minimum 60 per cent overall average.

Applicants should also have two years' relevant work experience and should submit a 500- to 750-word statement outlining their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This double degree program aims to provide students with knowledge and technical skills in advanced manufacturing technology, as well as with specialist skills needed to lead and manage the process of innovation, business start-ups, high growth and rapid change. It is designed for those who wish to create new enterprises and those who wish to bring new attitudes and possibilities to existing ventures. The program has an applied industry focus and presents units of study relevant to professional practice and contemporary research in these fields.

#### Units of study

Advanced manufacturing technology units include: Advanced Manufacturing Processes, Advanced Mechatronics, Nanofabrication Technologies, Rapid Manufacturing and Tooling, Six Sigma, Surface Engineering, Sustainable Design and Manufacture, Technology Management, Work Systems in Manufacturing.

Entrepreneurship and innovation units include: Contemporary Challenges in Entrepreneurship and Innovation, Corporate Entrepreneurship and Innovation, Creativity and Innovation, Entrepreneur's Toolkit, Finance for Entrepreneurs, Opportunity Discovery, Opportunity Evaluation, Strategic and Entrepreneurial Marketing.

Research-specific units include: Masters Project, Research Design and Methodology, Research Methods.

Students also complete elective units.

#### Career opportunities

Graduates may find employment with manufacturing companies intending to implement different levels of advanced manufacturing technologies. Graduates may also be equipped with skills to introduce new businesses, new products or new processes to a range of business environments.

## Civil engineering

### ▶ Master of Engineering Science (Civil)

Incorporating:

- ▶ Master of Engineering (Civil)
- ▶ Graduate Diploma of Engineering (Civil)
- ▶ Graduate Certificate of Engineering (Civil)

**Campus:** Hawthorn

**Duration:** *Master of Engineering Science* – Two years

*Master of Engineering* – Eighteen months

*Graduate diploma* – One year

*Graduate certificate* – Six months

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree in civil engineering, or equivalent, with a minimum 60 per cent overall average.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program seeks to provide students with advanced theoretical and practical knowledge about the design, procurement and asset management aspects of civil infrastructure projects. It aims to give students a comprehensive understanding of the issues and challenges associated with the civil engineering industry, including codes of practice; sustainability issues; environmental impacts; and financial, legal, project management and risk considerations.

The program has an applied industry focus and contains units relevant to professional practice and contemporary research in this field.

#### Units of study

Units include: Building Design, Geotechnical Design, Dredging Engineering, Infrastructure Deterioration Modelling, Integrated Water Design, Port and Harbour Engineering, Principles of Sustainability, Project Costing, Transport Planning, Modelling and Economics.

Research-specific units include: Research Design and Methodology, Research Methods, Research Paper, Major Research Project.

Students also complete elective units.

#### Career opportunities

Graduates may pursue a career as a civil or design engineer, construction manager, project engineer or manager, geotechnical engineer, water engineer or asset management engineer in a range of industries including engineering consultancy, construction, research organisations, the private sector and government authorities.

Graduates may also proceed to a PhD in different fields of civil engineering. For more information, email [international@swinburne.edu.au](mailto:international@swinburne.edu.au) or contact your agent.

### ▶ Master of Engineering (Civil)/ Master of Construction Management

**Campus:** Hawthorn

**Duration:** Two years

**Intake:** March, August

#### Entry requirements

A recognised four-year bachelor degree in civil engineering, or equivalent, with a minimum 60 per cent overall average.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This double degree program is for students who wish to enhance their knowledge and extend their professional development in the civil engineering and construction management fields. The program has an applied industry focus and includes units relevant to professional practice and contemporary research in these fields.

#### Units of study

Civil engineering units include: Building Design, Geotechnical Design, Dredging Engineering, Infrastructure Deterioration Modelling, Integrated Water Design, Port and Harbour Engineering, Port Structural Design, Principles of Sustainability, Transport Planning, Modelling and Economics.

Construction management units include: Construction Law, Construction Site Operations, Engineering Project Control, Environmental Sustainability in Construction, International Construction, Location-Based Management for Construction, Procurement and Risk Management in Projects, Project Costing, Project Management, Resource Planning and Management, Introduction to Risk and Due Diligence.

Research-specific units include: Research Methods, Research Project.

#### Career opportunities

Graduates may find enhanced employment opportunities in roles where they lead and apply advanced technical and management skills to the design, procurement and management of building and infrastructure projects.

### ▶ Master of Engineering (Civil)/ Master of Entrepreneurship and Innovation new

**Campus:** Hawthorn

**Duration:** Two years

**Intake:** March, August

#### Entry requirements

A recognised four-year bachelor degree in civil engineering, or equivalent, with a minimum 60 per cent overall average.

Applicants should also have two years' relevant work experience and should submit a 500- to 750-word statement outlining their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This double degree program aims to provide students with knowledge and technical skills in civil engineering, as well as with specialist skills needed to lead and manage the process of innovation, business start-ups, high growth and rapid change. It is designed for those who wish to create new enterprises and those who wish to bring new attitudes and possibilities to existing ventures. The program has an applied industry focus and presents units of study relevant to professional practice and contemporary research in these fields.

#### Units of study

Civil engineering units include: Advanced Concrete Design; Building Design; Geotechnical Design; Integrated Water Design; Principles of Sustainability; Strengthening and Monitoring of Structures; Transport Planning, Modelling and Economics.

Entrepreneurship and innovation units include: Contemporary Challenges in Entrepreneurship and Innovation, Corporate Entrepreneurship and Innovation, Creativity and Innovation, Entrepreneur's Toolkit, Finance for Entrepreneurs, Opportunity Discovery, Opportunity Evaluation, Strategic and Entrepreneurial Marketing.

Research-specific units include: Research Methods, Research Paper.

Students also complete elective units.

#### Career opportunities

Graduates may be equipped with skills to lead and apply advanced technical and management skills to the design, procurement and maintenance of infrastructure projects in civil engineering. Graduates may also be equipped with skills to introduce new businesses, new products or new processes to a range of business environments.

## Construction management

### ▶ Master of Construction Management

Incorporating:

- ▶ Graduate Diploma of Construction Management
- ▶ Graduate Certificate in Construction Management

**Campus:** Hawthorn

**Duration:** *Master* – Eighteen months

*Graduate diploma* – One year

*Graduate certificate* – Six months

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree in civil engineering, building, architecture, quantity surveying, construction management or real estate, or equivalent, with a minimum 60 per cent overall average.

Applicants with a recognised bachelor degree in a similar discipline are also encouraged to apply.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program provides a structured study of advanced management and theories, techniques and practices in the planning and management of building and infrastructure projects. It aims to give students significant knowledge and skills in procurement and project delivery, resource planning and management, project costing, health and safety, and risk management. Students also learn about environmental, financial, legal and contractual considerations.

The program aims to prepare students for roles managing people, equipment, materials, built environment and assets, as well as roles overseeing technological processes and with managerial aspects related to the design, construction and maintenance of buildings and civil infrastructure.

#### Units of study

Units include: Construction Law, Construction Site Operations, Engineering Project Management, Environmental Sustainability in Construction, International Construction, Location-Based Management for Construction, Procurement and Risk Management in Projects, Project Costing, Resource Planning and Management, Introduction to Risk and Due Diligence.

Research-specific units include: Research Design and Methodology, Research Methods, Research Project.

Students also complete elective units.

#### Career opportunities

Graduates may have enhanced skills in professional engineering and project management. They may pursue careers as a construction manager, project engineer/manager, asset and facilities manager, or procurement and project delivery professional in a range of industries, including engineering and project management consultancy, construction, and oil and gas, as well as research organisations, the private sector and government.

## Electrical and electronic engineering

### ▶ Master of Engineering Science (Electrical and Electronic)

Incorporating:

- ▶ Master of Engineering (Electrical and Electronic)
- ▶ Graduate Diploma of Engineering (Electrical and Electronic)
- ▶ Graduate Certificate of Engineering (Electrical and Electronic)

**Campus:** Hawthorn

**Duration:** *Master of Engineering Science* – Two years

*Master of Engineering* – Eighteen months

*Graduate diploma* – One year

*Graduate certificate* – Six months

**Intake:** March, August

#### Entry requirements

A recognised four-year bachelor degree in electronic, computer or communication/telecommunication engineering, or a recognised four-year bachelor degree in science in an appropriate field, with a minimum 60 per cent overall average.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program focuses on three main themes: power systems, signal processing and control, and electronic engineering. It encourages entrepreneurial thinking to foster innovation in each student's business, workplace or community. The program also aims to prepare students for roles as an engineer through practical experience and teaches research skills to enhance career opportunities in the electrical and electronics industries.

#### Units of study

Units include: Advanced Embedded System Design, Very Large Scale Integration Digital Signal Processing Systems, Radio Frequency and Mixed Signal Design, Linear Systems, Operation of Power Systems, Analysis Techniques for Large Scale Power Systems.

Research-specific units include: Research Methods, Minor Project, Major Research Project.

Students also complete elective units.

#### Career opportunities

Graduates may find employment in a range of industries including electric and renewable energy, telecommunications, manufacturing, defence, automotive, medical imaging and testing companies, and research organisations.

### ▶ Master of Engineering (Electrical and Electronic)/Master of Entrepreneurship and Innovation new

**Campus:** Hawthorn

**Duration:** Two years

**Intake:** March, August

#### Entry requirements

A recognised four-year bachelor degree in electrical and electronic engineering, or equivalent, with a minimum 60 per cent overall average.

Applicants should also have two years' relevant work experience and should submit a 500- to 750-word statement outlining their suitability for the program.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This double degree program aims to provide students with knowledge and technical skills in electrical and electronic engineering, as well as with specialist skills needed to lead and manage the process of innovation, business start-ups, high growth and rapid change. It is designed for those who wish to create new enterprises and those who wish to bring new attitudes and possibilities to existing ventures. The program has an applied industry focus and presents units of study relevant to professional practice and contemporary research in these fields.

#### Units of study

Units include: Analysis Techniques for Large-Scale Power Systems, Linear Systems, Radio Frequency and Mixed Signal Design, Very Large Scale Integration Digital Signal Processing Systems.

Entrepreneurship and innovation units include: Contemporary Challenges in Entrepreneurship and Innovation, Corporate Entrepreneurship and Innovation, Creativity and Innovation, Entrepreneur's Toolkit, Finance for Entrepreneurs, Opportunity Discovery, Opportunity Evaluation, Strategic and Entrepreneurial Marketing.

Research-specific units include: Minor Project, Research Methods.

Students also complete elective units.

#### Career opportunities

Graduates may be equipped with skills to lead and apply advanced technical and management skills to the design, procurement and maintenance of infrastructure projects in electrical and electronic engineering. Graduates may also be equipped with skills to introduce new businesses, new products or new processes to a range of business environments.

# Engineering – professional year program

## ► Engineers Australia Professional Year in Engineering new

**Campus:** Hawthorn, external venue (International Institute of Business and Technology, Perth)

**Duration:** 44–52 weeks

**Intake:** Visit [www.swinburne.edu.au/pyp](http://www.swinburne.edu.au/pyp) for intake dates

### Entry requirements

A recognised bachelor or master degree in engineering.

Applicants must have an IELTS overall band of 6.0 (Academic Module) with no individual band below 6.0 or equivalent (see page 11 for details).

Applicants must have a Skilled-Recognised Graduate visa (subclass 476), a Skilled Graduate (Temporary) visa (subclass 485), or a Bridging Visa A or B. Student visa holders are not eligible.

Holders of a Skilled Graduate (Temporary) visa (subclass 485) or a Bridging Visa A or B must also undertake a skills assessment conducted by Engineering Education Australia.

All applicants are required to attend an interview as part of the application process.

This program is approved by the Department of Immigration and Border Protection.

### Course description

This program gives international graduates an opportunity to enhance their qualification and gain valuable experience in the workplace. It includes:

- practical training and workshops
- a 12-week industry work placement
- access to networking opportunities and professional development.

The program has been developed in conjunction with Engineers Australia and Engineering Education Australia.

### Units of study

Units include: Entry and Advancement in the Australian Workplace, Communication and Performance in the Australian Workplace, Certificate IV in Project Management\*.

\*This unit is delivered online.

### Industry work placement

Students have the opportunity to gain practical experience and enhance their career prospects with a 12-week industry work placement.

# Information and Communication Technologies



Dynamic and constantly evolving, the field of information and communication technologies provides exciting and challenging career opportunities. Our courses are developed in close consultation with key industry representatives, and are up-to-date with the latest changes in enterprise programming, mobile application development, Oracle, MCSA, Cisco and business analysis.

## Computer science – professional year program

### ► ACS Professional Year in Computer Science

**Campus:** Hawthorn, external venue (International Institute of Business and Technology, Perth)

**Duration:** 44–52 weeks

**Intake:** Visit [www.swinburne.edu.au/pyp](http://www.swinburne.edu.au/pyp) for intake dates

#### Entry requirements

A recognised bachelor or master degree in information and communication technologies from an Australian institution.

Applicants must have a minimum IELTS overall band of 6.0 (Academic or General Modules) with no individual band below 6.0 or equivalent (see page 11 for details).

Applicants must also have a Bridging Visa A or B, student visa or Skilled Graduate (Temporary) visa (subclass 485), or be the spouse of a 485 visa holder.

All applicants are required to attend an interview as part of the application process.

This program is approved by the Department of Immigration and Border Protection.

#### Course description

This program gives students an opportunity to enhance their qualification and gain experience in the workplace. It has been accredited by the Australian Computer Society (ACS) and includes:

- practical training and workshops
- a 12-week industry work placement
- access to networking opportunities and professional development as a graduate member of the ACS.

#### Units of study

Units include: Communication and Performance in the Australian Workplace; Entry and Advancement in the Australian Workplace; IT Governance, Ethics and Strategic Business Frameworks\*.

\* This unit is delivered online.

#### Industry work placement

Students have the opportunity to gain practical experience and enhance their career prospects with a 12-week industry work placement.

## Information systems management

### ▶ Master of Information Systems Management

Incorporating:

- ▶ Graduate Diploma of Information Systems Management
- ▶ Graduate Certificate of Information Systems Management

**Campus:** Hawthorn

**Duration:** *Master* – Two years

*Graduate diploma* – Eighteen months

*Graduate certificate* – One year

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree plus at least three years' relevant work experience.

Applicants without a recognised qualification who have at least five years' relevant work experience are also encouraged to apply.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program is a comprehensive and contemporary study of management issues associated with the successful deployment of information systems (IS) and technology in organisations. It focuses on optimising business value through the management of IS and its related risks. Students are introduced to current approaches to technology management in and between contemporary organisations.

#### Units of study

Units include: Accounting Information and Managerial Decision-Making; Business Information Systems in a Rapidly Changing World; Delivering IT Business Value; Enterprise Architecture, Strategy and Governance; IS/IT Research Project; IS/IT Risk Management; Managing IT-Enabled Transformation; Managing the IT Capability; Systems Project Management.

Students also complete elective units.

#### Career opportunities

This program aims to prepare graduates for roles in systems analysis, business development and project management or as a data architect, data warehouse consultant, business intelligence analyst, application integration specialist, e-business consultant, chief information officer or IT director.

#### Professional recognition

The Master of Information Systems Management is professionally accredited by the Australian Computer Society.

### ▶ Master of Information Systems Management/Master of Business Administration

**Campus:** Hawthorn

**Duration:** Two years

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree with a minimum 60 per cent average, plus at least three years' relevant work experience.

Applicants without a recognised qualification who have at least five years' relevant work experience are also encouraged to apply.

Applicants without a recognised qualification who have at least five years' relevant work experience are also encouraged to apply.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This double degree program aims to provide professionals with advanced skills and knowledge across the complex areas of business and information systems (IS) in organisations. It offers contemporary management knowledge and skills, and seeks to provide students with the ability to apply that knowledge in an innovative, creative and entrepreneurial way.

#### Units of study

Information systems management units include: Business Information Systems in a Rapidly Changing World; Delivering IT Business Value; Enterprise Architecture, Strategy and Governance; IS/IT Research Project; IS/IT Risk Management; Managing IT-Enabled Transformation; Managing the IT Capability; Systems Project Management.

Business administration units include: Accounting Information and Managerial Decision-Making, Strategic and Entrepreneurial Marketing, Leading, Operations Management, Business Finance and Quantitative Analysis, Workforce Leadership and Strategy, Business Strategy and Governance, Leadership for Innovation, Management Analysis and Problem-Solving.

Students also complete elective units.

#### Career opportunities

Graduates may pursue senior IS and business roles including systems analyst, business development manager, project manager, chief information officer and IT director.

#### Professional recognition

The Master of Information Systems Management is professionally accredited by the Australian Computer Society.

## Information technology

### ▶ Master of Information Technology

Incorporating:

- ▶ Graduate Diploma of Information Technology
- ▶ Graduate Certificate of Information Technology

**Campus:** Hawthorn

**Duration:** *Master* – Two years

*Graduate diploma* – Eighteen months

*Graduate certificate* – One year

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree in a discipline other than information technology.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program aims to provide the knowledge and skills required to design, develop and maintain complex systems using state-of-the-art technologies and methodologies. It includes a general introduction to ICT and provides the opportunity for students to gain advanced specialist skills in particular areas, including software development, information systems and network management.

Students also have the opportunity to apply their skills through industry-related project work, including an internship and industry-linked projects. This work can demonstrate students' skills and knowledge to potential future employers.

#### Units of study

Units include: Introduction to Programming, Database Analysis and Design, User-Centred Design, IT Project Management, Creating Web Applications, Requirements Analysis and Modelling, Enterprise Systems.

Research-specific units include: Applied Research Methods, Applied Research Project.

#### Career opportunities

Graduates may find employment in roles such as enterprise systems application developer, quality assurance analyst, network designer, network administrator, network architect, web developer, project manager, multimedia developer, systems architect, business requirements analyst, systems analyst, technical writer, application integration specialist, user-interface analyst, contract manager, data-mining specialist or helpdesk manager.

#### Professional recognition

The Master of Information Technology is professionally accredited by the Australian Computer Society.



## ▶ Master of Information Technology (Professional Computing)

**Campus:** Hawthorn

**Duration:** Two years

**Intake:** March, August

### Entry requirements

A recognised bachelor degree in an information technology-related discipline that includes studies in computer programming, web system development, and database and business applications of computer systems.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

### Course description

This program provides students with a broad range of targeted studies and is developed for information and communication technologies specialists wishing to optimise their career opportunities. It allows students to focus their studies by completing one of three specialisation streams:

- information systems – this stream focuses on business analysis, information modelling, database design and information systems management.
- network management – this stream focuses on the skills required to work as network system specialists. Units provide coverage of general networking principles with specific competencies including certification material from Cisco CCNA, CCNP and MCSA.
- software development – this stream deals with emerging technologies such as service-oriented architectures, creating applications for mobile devices, cloud and web services and enterprise computing, including J2EE and .NET.

Students also have the opportunity to apply their skills through an internship and industry-related project work. This work can demonstrate students' skills and knowledge to potential future employers.

### Units of study

Units include: Applied Research Methods, Applied Research Project, IT Project Management, User-Centred Design.

Information systems units include: Requirement Analysis and Modelling, Mobile Business and Connectivity, Contemporary Issues in Business Analysis, IS/IT Risk Management, Global ICT Practice.

Network management units include: Networks and Switching, Internet Security, Networking Routing Principles, Secure Networks, Broadband Multimedia Networks, Mobile and Personal and Networking.

Software development units include: Object-Oriented Programming, Human-Computer Interaction, Enterprise Development, Data Communications and Security, Software Development for Cloud Computing, Internet Security.

Students also complete elective units.

### Career opportunities

Depending on the specialised study area, graduates may undertake a wide range of roles including enterprise systems application developer, network administrator, IT security engineer, internal corporate network manager, quality assurance analyst, project manager, multimedia developer, systems architect, business analyst, technical writer, systems analyst, application integration specialist, user interface analyst, data mining specialist, web developer, software developer or helpdesk manager.

### Professional recognition

The Master of Information Technology (Professional Computing) is professionally accredited by the Australian Computer Society.

## Information technology business analysis

### ▶ Master of Information Technology Business Analysis

Incorporating:

▶ Graduate Diploma of Information Technology Business Analysis

▶ Graduate Certificate in Information Technology Business Analysis

**Campus:** Hawthorn

**Duration:** *Master* – Two years

*Graduate diploma* – Eighteen months

*Graduate certificate* – One year

**Intake:** March, August

### Entry requirements

A recognised bachelor degree.

Applicants without a recognised qualification who have at least five years' relevant work experience are also encouraged to apply.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

### Course description

The modern business analyst engages stakeholders from a wide range of business and technology disciplines. In this program students gain exposure to a broad and balanced set of information systems and business disciplines that complement this role. It aims to provide students with the skills to effectively deal with and deliver value to multiple areas of technology and business. Units cover the core disciplinary areas of the profession, including data and information modelling, process redesign and modelling, and requirements elicitation and analysis.

### Units of study

Units include: Business Analysis Practice; Business Information Systems in a Rapidly Changing World; Business Process Modelling; Database Analysis and Design; Enterprise Architecture, Strategy and Governance; IS/IT Research Project; IS/IT Risk Management; Requirements, Analysis and Modelling; Systems Acquisition and Implementation Management; Professional Issue in IT; Introduction to Business Information Systems; Accounting Information and Managerial Decision Making; Systems Project Management; Contemporary Issues in Business Analysis.

Students also complete elective units.

### Career opportunities

Graduates of this program may be equipped to pursue a career as a business analyst. With experience, they may seek to advance to roles as senior business analysts, practice managers and business relationship managers, as well as a range of project management and enterprise architecture roles.

## Information technology project management

### ▶ Master of Information Technology Project Management

Incorporating:

- ▶ Graduate Diploma of Information Technology Project Management
- ▶ Graduate Certificate of Information Technology Project Management

**Campus:** Hawthorn

**Duration:** *Master* – Two years

*Graduate diploma* – Eighteen months

*Graduate certificate* – One year

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree.

Applicants without a recognised qualification who have at least five years' relevant work experience are also encouraged to apply.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program aims to develop students' expertise in the major domain of information and communication technologies (ICT) project management. It helps students to develop the skills and conceptual understanding required to manage all aspects of ICT projects. The program also explores factors and risks under consideration to achieve successful project outcomes.

#### Units of study

Units include: Accounting Principles; Advanced IT Project Management; Business Information Systems in a Rapidly Changing World; Enterprise Architecture, Strategy and Governance; IS/IT Research Project; IS/IT Risk Management; Project Portfolio Management; Systems Acquisition and Implementation Management; IT Project Resource Management; Systems Project Management.

Students also complete elective units.

#### Career opportunities

Graduates may find employment in roles such as ICT project manager, business analyst, business intelligence developer, applications manager, project resource officer, enterprise solutions architect, enterprise risk specialist or ICT risk manager.

## Network systems

### ▶ Master of Engineering Science (Network Systems and Telecommunications)

Incorporating:

- ▶ Master of Science (Network Systems)
- ▶ Graduate Diploma of Engineering Science (Network Systems and Telecommunications)
- ▶ Graduate Certificate of Science (Network Systems)

**Campus:** Hawthorn

**Duration:** *Master of Engineering Science* – Two years

*Master of Science* – Two years

*Graduate diploma* – Eighteen months

*Graduate certificate* – One year

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree in engineering, information technology or science with studies in mathematics.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program focuses on developing advanced theoretical knowledge and practical skills related to network design, the management and service provision of private and public network systems, wireless and broadband technologies, and the security and protection of networked and computer systems.

#### Units of study

Units include: Broadband Multimedia Networks, Creating Web Applications and Databases, Design and Management of Networks, Introduction to Network Programming, Mobile and Personal Networking, Network Administration, Network Routing Principles, Networks and Switching, Secure Networks, Wireless Communication Techniques.

Students also complete elective units.

#### Career opportunities

Graduates may find employment in the ICT or telecommunications industries as a network engineer, field service technician, support engineer, systems administrator, network planner, IT security firewall administrator, network architect, network designer, project implementation specialist, IT support technician, internet applications engineer, internal corporate networks manager or security engineer.

#### Professional recognition

The program provides preparation towards the Cisco Certified Network Associate and Cisco Certified Network Professional certification examinations, as well as the Microsoft Certified Solutions Associate title.

The Master of Engineering Science (Network Systems and Telecommunications) and Master of Science (Network Systems) are professionally accredited by the Australian Computer Society.

# Media and Communications



Swinburne's media and communications program can create opportunities that give you a competitive edge in the workplace. It can help you to develop skills to enable entry into the media industry, or if you're currently in the industry, enhance your expertise.

## Media and communications

### ▶ Master of Arts (Media and Communications)

Incorporating:

- ▶ Graduate Diploma of Arts (Media and Communications)
- ▶ Graduate Certificate of Arts (Media and Communications)

**Campus:** Hawthorn

**Duration:** *Master* – Two years  
*Graduate diploma* – One year  
*Graduate certificate* – Six months  
**Intake:** March, August

#### Entry requirements

A recognised bachelor degree. Applicants without a tertiary qualification who have substantial relevant experience are also encouraged to apply.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program is designed to provide both a theoretical base and a portfolio of skills applicable to a range of media activities. It focuses on practical learning and offers workplace experience through placements and developing projects for real clients.

The program is suitable for students interested in working in media-related industries or students already working in the media who wish to enhance their expertise. Students can choose to focus on studies in journalism, digital content production or media studies.

#### Units of study

Units include: Cultural Sector Funding and Policy Frameworks, Global Journalism, Digital Video and Audio, Journalism in Context, Media Project, Network Cultures, Network Literacies, Media Industry Seminars, Media Law, Radio Production, Remix Culture, The Media in Australia.

#### Career opportunities

Graduates may possess writing and production skills valued in many sectors of the print, broadcasting and electronic media, such as radio production, journalism and web content creation. Graduates may be equipped with digital production skills and may find employment in the digital content roles. Graduates may also have skills in project management and media production that may help them to find employment in the media industry.

## Multimedia

### ▶ Graduate Diploma of Multimedia

Incorporating:

- ▶ Graduate Certificate of Multimedia

**Campus:** Hawthorn

**Duration:** *Graduate diploma* – One year  
*Graduate certificate* – Six months

**Intake:** March, August

#### Entry requirements

A recognised bachelor degree or postgraduate qualification or approved equivalent. Applicants without a tertiary qualification who have substantial relevant multimedia industry experience are also encouraged to apply.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

#### Course description

This program is suitable for students in the teaching, training or media professions, or those wishing to pursue a career in the multimedia industry. It offers a comprehensive and highly focused approach to multimedia with a strong emphasis on practical skills.

#### Units of study

Units include: Multimedia Imaging, User-Experience Design, Multimedia Authoring, Digital Video and Audio, The Internet and World Wide Web.

A range of elective units from the information technology, design, media, social science and business fields can also be taken, subject to approval by the program coordinator.

#### Career opportunities

Graduates may pursue employment opportunities in roles such as multimedia producer, developer or programmer; website developer or programmer; project manager; instructional designer; interactive content creator; 2D/3D modeller/ animator; or database developer. Graduates may also explore roles in multimedia advertising and digital media production.



**'While the degree has been challenging at times, I've been given some wonderful opportunities to work with academics whom I admire, and I have always felt as though I was part of a team of people committed to helping me bring out the best in myself. The course covers a range of topics that are relevant to my line of work, and I can honestly say that I've taken away something useful from each subject and have been able to apply it to my work with clients.'**

**Kerry**  
Master of Psychology (Counselling Psychology)

# Psychology

By undertaking a psychology course at Swinburne you will benefit from our blend of coursework and practice, committed teaching and state-of-the-art facilities.

## Swinburne Psychology Clinic

If you are undertaking a master or doctorate qualification, you will also have the opportunity to train in the Swinburne Psychology Clinic, the largest university psychology clinic in Australia. The clinic provides you with the experience, training and clinical skill you need to work independently.

## Clinical psychology

### ▶ Doctor of Philosophy (Clinical Psychology)

**Campus:** Hawthorn

**Duration:** Four years

**Intake:** March

#### Entry requirements

The formal entry requirements for this program are:

- completion of a four-year sequence of studies in psychology at first or upper-second class level in a course or courses accredited by the Australian Psychological Accreditation Council (APAC), or equivalent overseas qualifications recognised by APAC
- experience in face-to-face counselling or significant training in counselling skills (for example, through Lifeline), counselling skills in tertiary programs or other appropriate work experience
- demonstrated possession of an appropriate level of knowledge and skills related to research.

Applicants must have applied for and gained candidature approved by the Swinburne Higher Degrees Committee in accordance with the guidelines set by Swinburne Research. Applicants who fail to gain candidature will not be eligible to continue in the doctoral program.

Applicants with excellent results in their fourth year studies and relevant human services work experience will be short-listed and interviewed by a selection panel. An order of merit for entry will be prepared, taking into account academic record; demonstrated knowledge and skills related to research; previous work experience and training; and academic and professional referees' reports.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent.

#### Course description

Clinical psychology is a specialisation focusing on psychopathology and the assessment and treatment of clinical disorders across the life span.

This higher degree by research provides intensive high-level research training while students learn the professional skills of clinical psychology. It aims to develop advanced knowledge, skills and experience in psychopathology, assessment and therapeutic interventions for adults and children suffering from clinical disorders.

#### Units of study

Units include: Counselling Theory and Skills, Advanced Psychological Assessment, Research Project (Clinical), Adult Psychopathology, Clinical Placement, Cognitive Behaviour Therapy and Research, Child Psychopathology and Assessment, Systemic Family Counselling, Professional Ethics and Psychopharmacology, Foundations of Health Psychology.

#### Career opportunities

Graduates may find careers in clinical psychology in universities, research centres, psychiatric hospital settings, community mental health centres, specialist services for particular clinical groups, clinical rehabilitation services and private practice.

#### Professional recognition

Graduates may be eligible for membership of the Australian Psychological Society (APS) and for general registration as a psychologist with the Psychology Board of Australia (PBA). After an additional 18 months of appropriate supervised practice, graduates may also be eligible for membership of the APS College of Clinical Psychologists and for clinical psychology area of practice endorsement with PBA.

## Clinical psychology (continued)

### ▶ Doctor of Psychology (Clinical Psychology)

**Campus:** Hawthorn

**Duration:** Four years

**Intake:** March

#### Entry requirements

The formal entry requirements for this program are:

- a degree from an Australian university and completion of a four-year sequence of studies in psychology at first or upper-second class level in a course or courses accredited by the Australian Psychology Accreditation Council, or overseas qualifications recognised as equivalent by the Australian Psychological Society (APS), or a master degree in psychology recognised as equivalent by the APS
- experience in face-to-face counselling or significant training in counselling skills (for example, through Lifeline), counselling skills in tertiary programs or other appropriate work experience
- demonstrated appropriate level of knowledge and skills related to research.

Applicants must have applied for and gained candidature approved by the Swinburne Higher Degrees Committee in accordance with the guidelines set by Swinburne Research. Applicants who fail to gain candidature will not be eligible to continue in the doctoral program and may choose to apply for the Master of Psychology (Counselling Psychology).

Applicants with excellent results in their fourth-year studies and relevant human services work experience will be shortlisted and interviewed by a selection panel. An order of merit for entry will be prepared, taking into account academic record, demonstrated knowledge and skills related to research, previous work experience and training, and academic and professional referees' reports.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent

#### Course description

This higher degree by research provides the opportunity for students to develop professional skills in clinical psychology while completing a substantial research project. The program includes high-level training in psychopathology, assessment and therapeutic interventions with adults and children who are suffering from clinical disorders. It aims to develop an understanding of clinical practice related to emotional disorders such as anxiety disorder, mood disorder, psychosis and personality disorder.

#### Units of study

Units include: Counselling Theory and Skills, Advanced Psychological Assessment, Research Project (Clinical), Adult Psychopathology, Clinical Placement, Cognitive Behaviour Therapy and Research, Child Psychopathology and Assessment, Systemic Family Counselling, Professional Ethics and Psychopharmacology, Foundations of Health Psychology.

#### Career opportunities

Graduates may find careers in clinical psychology in research centres; psychiatric hospital settings; community mental health centres; specialist services for particular clinical groups; secondary and post-secondary education clinical services; clinical rehabilitation services; and private practice.

#### Professional recognition

Graduates may be eligible for membership of the Australian Psychological Society (APS) and for general registration as a psychologist with the Psychology Board of Australia (PBA). After an additional year of appropriate supervised practice, graduates may also be eligible for membership of the APS College of Clinical Psychologists and for clinical psychology area of practice endorsement with the PBA.

## Counselling psychology

### ▶ Doctor of Psychology (Counselling Psychology)

**Campus:** Hawthorn

**Duration:** Four years

**Intake:** March

#### Entry requirements

The formal entry requirements for this program are:

- a bachelor degree from an Australian university and completion of a four-year sequence of studies in psychology at first or upper-second class level in a course or courses accredited by the Australian Psychology Accreditation Council, or overseas qualifications recognised as equivalent by the Australian Psychological Society (APS), or a master degree in psychology recognised by the APS
- experience in face-to-face counselling or significant training in counselling skills (for example, through Lifeline), counselling skills in tertiary programs or other appropriate work experience
- demonstrated possession of an appropriate level of knowledge and skills related to research.

Applicants must have applied for and gained candidature approved by the Swinburne Higher Degrees Committee in accordance with the guidelines set by Swinburne Research. Applicants who fail to gain candidature will not be eligible to continue in the doctoral program and may choose to apply for the Master of Psychology (Counselling Psychology).

Applicants with excellent results in their fourth-year studies and relevant human services work experience will be shortlisted and interviewed by a selection panel. An order of merit for entry will be prepared, taking into account academic record; demonstrated knowledge and skills related to research; previous work experience and training; and academic and professional referees' reports.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent.

#### Course description

This higher degree by research provides the opportunity for students to develop professional skills and scientific research training.

#### Units of study

Units include: Counselling Theory and Skills; Advanced Psychological Assessment; Research Project (Counselling); Contemporary Practice in Counselling Psychology; Diagnosis, Treatment and Referral; Professional, Ethical and Legal Issues; Cognitive Behavioural Interventions; Supervised Counselling Placement; Aspects of Professional Practice.

#### Career opportunities

Graduates may find careers in counselling psychology in education, human services, hospitals, community welfare organisations, research organisations and private practice.

#### Professional recognition

This program has been granted full accreditation as a fifth- and sixth-year course in psychology by the Australian Psychology Accreditation Council.

Graduates may be eligible for membership of the Australian Psychological Society (APS) and for general registration as a psychologist with the Psychology Board of Australia (PBA). After an additional year of appropriate supervised practice, graduates may also be eligible for membership of the APS College of Counselling Psychologists and for counselling psychology area of practice endorsement with the PBA.

## ▶ Master of Psychology (Counselling Psychology)

**Campus:** Hawthorn

**Duration:** Two years

**Intake:** March

### **Entry requirements**

A recognised bachelor degree from an Australian university or overseas qualifications approved as equivalent by the Australian Psychological Society, plus completion of a four-year sequence of studies in psychology in a course approved by the Australian Psychological Accreditation Council.

Applicants with excellent results in their fourth-year undergraduate studies and relevant human services work experience may be shortlisted and interviewed by a selection panel. An order of merit for entry will be prepared, taking into account academic record, previous relevant work experience and training, and academic and professional referees' reports.

Applicants also require IELTS overall band of 7.0 (Academic Module) with no individual band below 6.5, or equivalent.

### **Course description**

This program provides high-level training in counselling and assessment for professionals who provide specialist services in the areas of relationships, family, work and education.

### **Units of study**

Units include: Counselling Theory and Skills; Advanced Psychological Assessment; Contemporary Practice in Counselling Psychology; Professional, Ethical and Legal Issues; Research Project (Counselling); Cognitive Behavioural Interventions; Diagnosis, Treatment and Referral; Supervised Counselling Placement; Systemic Family Counselling; Aspects of Professional Practice.

### **Career opportunities**

Graduates may find employment in a range of human services settings, including relationship and family counselling; community-oriented general counselling services; community health institutions; secondary and post-secondary education counselling services; rehabilitation counselling services; private practice; human services training; and research and evaluation.

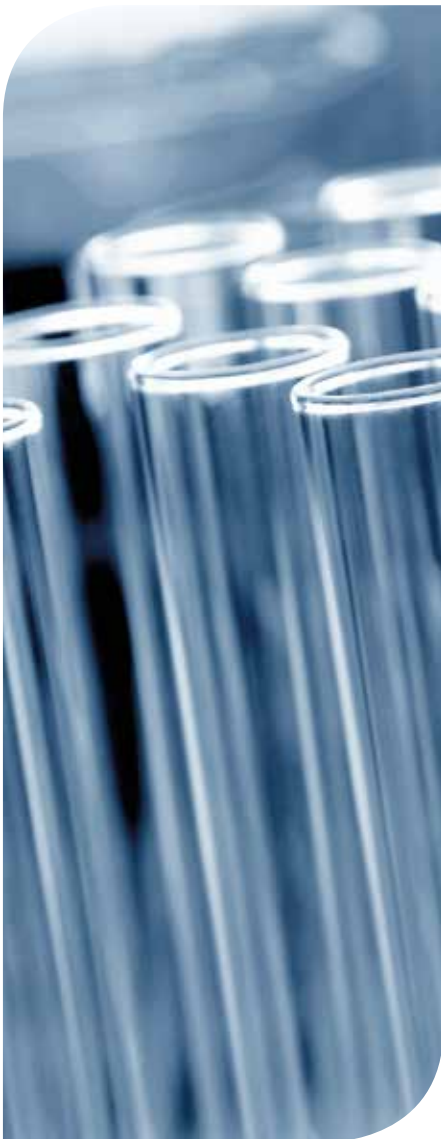
### **Professional recognition**

This program meets the requirements of the Australian Psychological Society (APS) College of Counselling Psychologists for academic training. It also provides a direct path to professional registration by the Psychology Board of Australia (PBA).

The program has been granted full accreditation as a fifth- and sixth-year course in psychology by the Australian Psychology Accreditation Council.

Graduates may be eligible for membership of the APS and for general registration as a psychologist with the PBA. After an additional two years of appropriate supervised practice, graduates may also be eligible for membership of the APS College of Counselling Psychologists and for counselling psychology area of practice endorsement with the PBA.

# Science



Scientific and technological knowledge is advancing at an unprecedented rate. Our postgraduate science programs have been designed in consultation with industry, providing you with theoretical principles and practical knowledge to help you move into more senior roles.

## World-ranked in physics

Our commitment to excellence in science teaching and research was reflected in our inclusion again in the 2014 Academic Ranking of World Universities (ARWU). In addition to ranking Swinburne as one of the world's top 400 research-intensive universities, the ARWU named Swinburne a top 75 research university in the field of physics.

## Astronomy

Swinburne offers an online program in astronomy that international students can undertake from a country other than Australia.

Visit [www.swinburne.edu.au/international/courses](http://www.swinburne.edu.au/international/courses) for more information.

## Biotechnology

### ► Master of Science (Biotechnology)

Incorporating:

► Graduate Diploma of Science (Biotechnology)

**Campus:** Hawthorn

**Duration:** *Master* – Two years

*Graduate diploma* – One year

**Intake:** March, August

### Entry requirements

A recognised bachelor degree in a biological or chemical science such as biology, botany, zoology, agriculture, forestry, health sciences, veterinary science or chemistry.

Applicants also require IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0, or equivalent; see page 11 for details.

### Course description

This program seeks to provide an in-depth understanding of the fundamental principles of biotechnology, including molecular biology, biochemistry, microbiology, and medical, industrial, forensic, agricultural and environmental biotechnology. It allows students to study to their desired level and focus on their particular field of interest.

### Units of study

Units include: Concepts of Biotechnology, The Microbial World, Environmental Biotechnology, Biotechnology of Genes and Proteins, Biotechnology, Minor Research Project, Advanced Topics in Biotechnology.

Student also complete elective units.

### Career opportunities

Graduates may find employment as a medical laboratory scientist, scientific officer or research and development scientist in diverse fields such as biochemistry, microbiology, molecular biology, diagnostic and pathology services, pharmaceutical industries, forensic science laboratories, veterinary science, racing industry, agribusinesses, wine industry and breweries, or biotechnology businesses.

Work may also be found as a food technologist, quality assurance officer, occupational health and safety officer, scientific sales representative/executive, associate to a patent attorney, newspaper writer or in a publishing role in the field, or PhD student.

### Professional recognition

Graduates may be eligible for membership of AusBiotech, Genetics Society of AustralAsia, Australian Society for Biochemistry and Molecular Biology, Australian Society for Microbiology and Royal Australian Chemical Institute.









## ▶ FURTHER INFORMATION

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The information contained in this course guide was correct at the time of publication, December 2014.  
The university reserves the right to alter or amend the material contained in this guide.