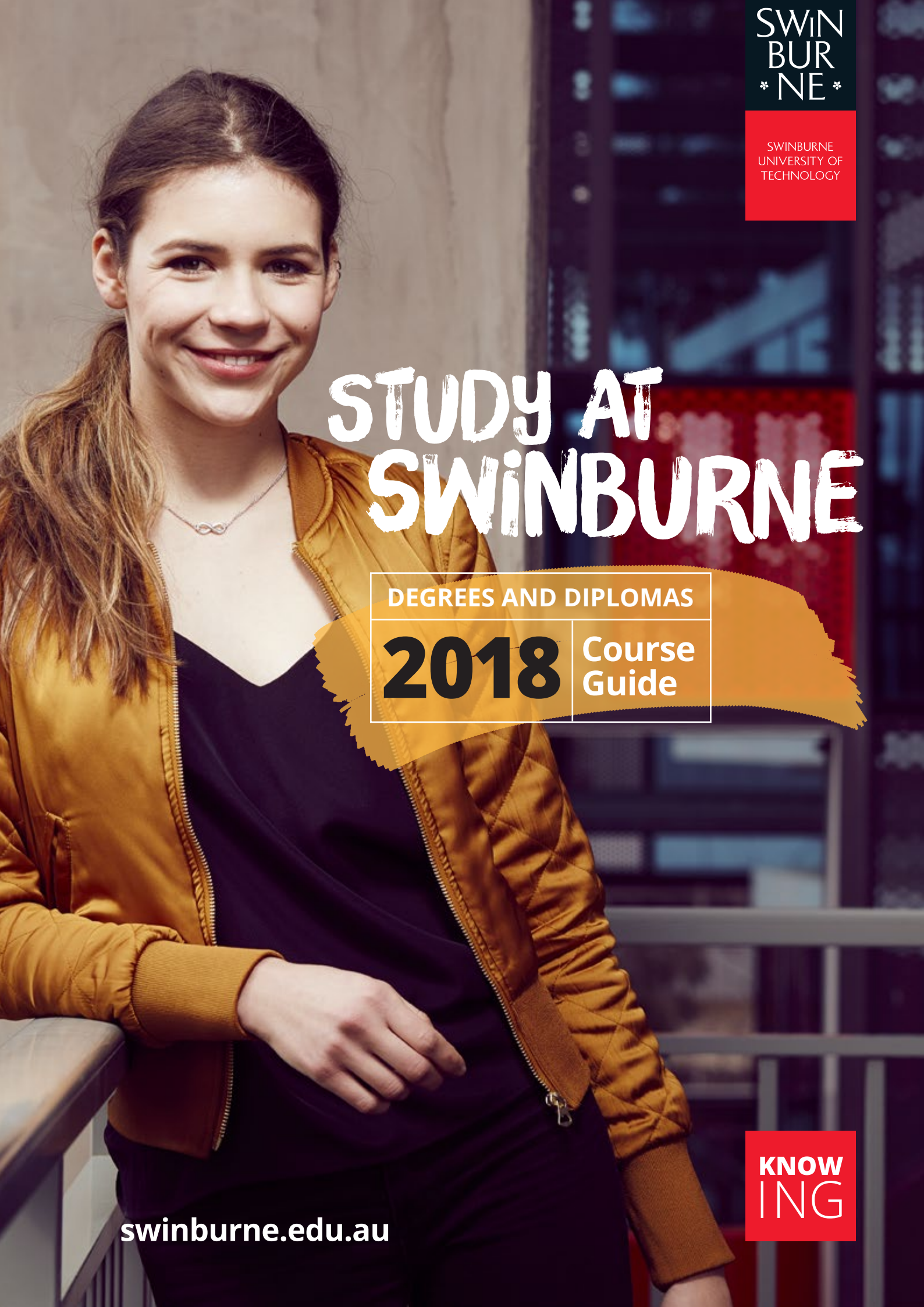


SWINBURNE UNIVERSITY OF TECHNOLOGY

STUDY AT SWINBURNE

DEGREES AND DIPLOMAS

2018 Course Guide

swinburne.edu.au

KNOWING


The adventure
starts here

At Swinburne we believe university should be an adventure.

It should be the kind of adventure that's backed by a sense of confidence that you're on the right path. And you should leave university knowing how to apply your knowledge in a practical sense. By knowing what your future career really entails, you are able to picture the path ahead.

We also understand it takes more than just qualifications to compete in today's job market. That's why for more than 50 years Swinburne has been partnering with leading Australian and global organisations to offer students workplace experiences.

You'll build invaluable skills and confidence in knowing you have what it takes to land a job in your field by graduation.

We think it's an approach that makes the adventure worth taking.

Build your own degree

At Swinburne, we want university to be a place of clarity and confidence. We want you to easily understand the requirements of your course and the outcomes of your degree.

Our degree structure gives you the freedom to choose your major, change course if need be or adjust your direction at any point.

You'll also discover more work-based learning in our degrees, including professional degrees that incorporate guaranteed paid work placements.

Enjoy more clarity, choices and flexibility in your studies at Swinburne.

Degrees

Our standard three-year degrees comprise 24 units of study.

Most of these units will focus on your primary area of study, which becomes your **major**. A major allows you to deepen your knowledge in a particular area and sharpen your career focus.

You'll also complete **core units**, designed to prepare you with essential skills and knowledge relevant to your chosen career.

The remaining units that make up your degree are called **elective units**, which you can use to explore related or non-related areas of interest. These units add breadth to your knowledge and experience through another major or study of a minor.

For example, our new Signature Series offer elective units that embody Swinburne's ethos of confidence, clarity and adventure. You can gain a new perspective on the world through a Study Tour unit, an expanded sense of possibilities through our Innovation Minor, or a deeper understanding and respect for culture through our Indigenous Minor.

Sample degree structures are included at the beginning of each study area to show how you may structure your degree.

Double degrees

Double degrees are a great way to broaden your study experience and are highly respected by employers. They combine two areas of study and on completion you'll be awarded two degrees.

Honours

You may be able to pursue your undergraduate studies at an advanced level by completing an additional specialised honours (fourth) year. An honours year allows you to deepen your understanding in your major field and develop your research skills. Many of our bachelor degrees have an integrated honours year, including design and engineering degrees.

The Swinburne Advantage

At Swinburne, we believe you should graduate university knowing how to take the wisdom you've acquired and apply it in a practical sense. You should know what your future career really involves and know you have the skills and understanding you need to begin your career. This is the **Swinburne Advantage.**

Getting you job-ready is at the core of what we do.

At Swinburne, you'll build invaluable skills, career networks and, most importantly, the confidence of knowing you have what it takes to land a job in your field.

Our focus on producing career-ready graduates has been reflected in our results from the 2015 Graduate Careers Australia Graduate Destination Survey.

Swinburne graduates are finding full-time employment faster than other Victorian graduates. In 2015, more than two-thirds of domestic undergraduate Swinburne graduates were employed in full-time work within four months of graduating.

The Swinburne Advantage is available to all bachelor degree students.

Work Integrated Learning options

Our Work Integrated Learning options prepare you for the day-to-day requirements of work, helping you become a more competitive graduate.

Visit **www.swinburne.edu.au/workintegratedlearning**

Your options	Duration	Compulsory	Paid	Degree credit
Professional degrees	12 months	Yes	Yes	Yes
Professional placements	6 or 12 months	No	Yes	Yes
Professional internships	1 semester	No	No	Yes
Accreditation placements	Varies	Yes	No	Varies
Industry study tours	15–30 days	No	No	Yes
Industry-linked projects	1–2 semesters	Yes	No	Yes
Create your own experience	Varies	No	No	No

Professional degrees

Professional degrees cover the standard requirements of a three-year bachelor degree and also include a guaranteed 12-month work placement. In addition to the opportunity to apply your theoretical knowledge in a practical environment, you will be paid during your placement and receive academic credit. Look for the degrees with (Professional) in the title.

Professional placements and internships

Our professional placements and internships can pair you with a leading employer in your area of study. A professional internship takes 12 weeks (at one to two days per week) while a professional placement can be six or 12 months of paid full-time work. You'll receive credit towards your degree, professional skills and a real-life overview of your potential future.

Accreditation placements

Our accreditation placements are compulsory in many degrees with specific skill sets. Depending on your degree, these placements may be paid and/or credit-bearing. You'll finish knowing you have the experience you need to become professionally accredited for the career you want.

Industry study tours

Build your career for the global job market with an industry study tour: a 15- to 30-day exploration abroad of one or more international companies and/or events related to your field. While receiving credit towards your degree you'll also gain a better understanding of cultural differences and processes, along with exposure to your area of study in a professional international setting.

Industry-linked projects

Problem-solving is an asset for any career, so we give you the opportunity to take on real-life industry and community projects as part of your course. Team-based challenges may include research projects, concept development or internal briefs. You'll earn credit for your degree while developing your investigative side to the fullest.

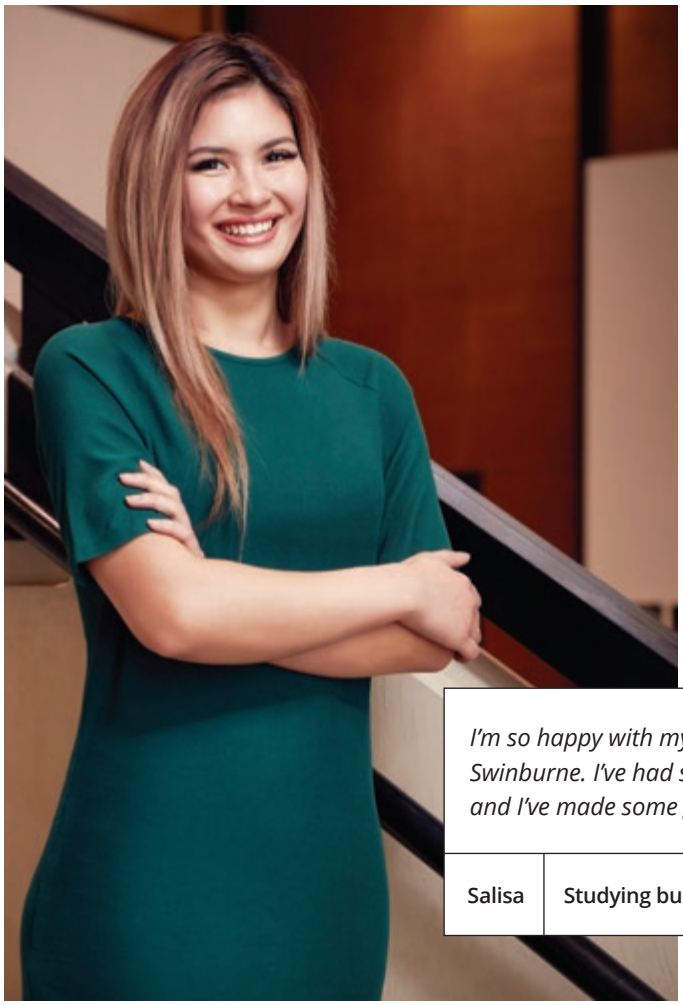
Create your own opportunities

We offer a variety of voluntary, non-credit bearing experiences related to your study area. They include volunteering, career development, hearing from guest speakers, exhibitions, international events and online activities. These experiences are designed to give you more clarity about what your future holds.

Job-ready diplomas and certificates

Careers begin with courses that are proven. And at Swinburne, we've been offering TAFE qualifications for more than 100 years.

Whether you're preparing for your first job, looking to retrain or taking the first step in a career change, a diploma or certificate could be the right choice. From apprenticeships to courses in engineering, IT, health, business and more, we've got you covered.



I'm so happy with my decision to study at Swinburne. I've had such a good experience and I've made some great friends.

Salisa	**Studying business administration**

Preparation for your career

Learn the skills that are in demand by employers and be taught by experienced teachers who are practitioners in their field. During your course you'll use the equipment and technology used in industry, and gain insights and abilities that are expected in modern workplaces.

All of our diplomas and certificates have work-based elements, which can include work placements and projects, and workplace scenarios and simulations.
This ensures you are prepared to get a job, make a significant contribution at work or further develop your career.

Apprenticeships

A Swinburne apprenticeship is a partnership between you, your employer and Swinburne. Your employer will teach you on the job while Swinburne provides the formal training. This allows you to learn from qualified academic staff, as well as someone who is an expert in the industry in which you're interested.

Nationally recognised training

A national code is assigned to each nationally approved vocational course (diplomas and certificates) to indicate recognition throughout Australia. Where applicable, the national code is listed in the course description.

Nationally Recognised Training

Pathways to a degree

Swinburne offers a number of opportunities that allow you to progress to a university degree if you don't have the academic qualifications needed to directly enrol in a degree.

Visit **www.swinburne.edu.au/pathways**

UniLink diplomas

UniLink diplomas are equivalent to the first year of university and can provide a pathway to the second year of a related bachelor degree.

These courses are an option for students who miss direct entry to a degree or who would benefit from a more supportive style of learning.

Vocational education

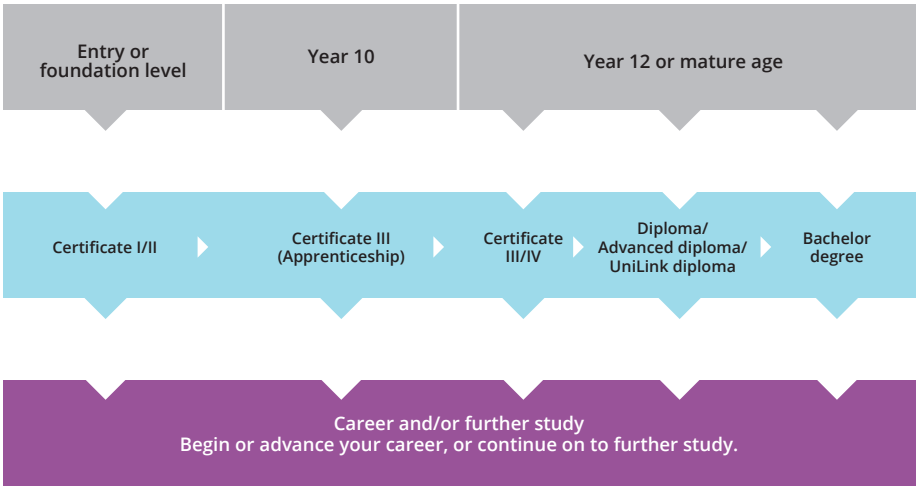
Another option is to undertake a diploma or certificate. These vocational qualifications provide practical teaching and skills for work.

Successful completion of a vocational education course may also allow you to progress to another qualification with advanced standing. The amount of credit you receive will be assessed on a case-by-case basis.

MathsLink

MathsLink is a bridging program for students who require Units 3 and 4 Mathematical Methods or Units 3 and 4 Further Mathematics to study their chosen course at Swinburne. See page 102.

Your pathway options



The UniLink diploma offered an alternative entry into my degree. It provided a highly engaging style of learning that really helped in transitioning to university learning. During my degree I've had the opportunity to complete a work placement, which has given a massive boost to my knowledge and understanding in my area of study.

David

Diploma of Information Technology (UniLink)

Bachelor of Business Information Systems

Our campuses

Our campuses are lively communities and studying on campus can be an exciting and dynamic experience. You'll have access to a wide range of opportunities, special events and activities.

Hawthorn campus

Our Hawthorn campus is set directly behind Glenferrie Road, with the Advanced Technologies Centre and Advanced Manufacturing and Design Centre dominating our Burwood Road front door.

Want to see more of our Hawthorn campus? Head to **www.swinburne.edu.au/vr** for a 360-degree experience.

WHY WE LOVE HAWTHORN

Coffee. Really, really good coffee.

As a university student, you'll soon learn that a good-quality coffee can be the difference between a pass and a fail. Hawthorn is home to some of Melbourne's best coffee, the nicest baristas you'll ever meet and more milk alternatives than you can poke your man bun at.

Glenferrie Station, aka Swinburne Station

The station is literally on campus. Five whole stops from Flinders St. Then there's the no.16 tram that runs down Glenferrie Rd, the 70 and 75 that take Riversdale Rd, the route 624 bus on Auburn Rd and the Night Rider 968 service. Public transport is a cinch in Hawthorn.

Student digs

If your love for Hawthorn gets serious, there's heaps of student accommodation and local rental options. Our on-campus student residences' standard and affordability is near impossible to beat too.
See **www.swinburne.edu.au/accommodation**

Fro-yo and burgers and dumplings, oh my!

Seriously, there's four fro-yo shops within 500 metres! We've also got a smorgasbord of other options to suit both your tastebuds and student budget. From Huxtaburger and Fonda to dumplings, pizza and sushi, you'll never go hungry.

The Hawthorn Aquatic and Leisure Centre

This world-class facility has everything you need to keep yourself in university-fighting shape. The best news is Swinburne students swim for free and get discounted gym memberships.

Underrated Glenferrie Road

We've got a bit of everything. Glenferrie Road is host to bookshops, fashion and food, glorious food. Lido Cinemas have also joined us and they're even screening Swinburne student-made movies. We also have a local park with a giant rocket. And every year we close off Glenferrie Road for a street party. What's not to love?

This is an edited extract of an article that originally appeared on Swinburne's Tumblr, Knowing. The article was written by two Swinburne students completing a 12-month paid professional work placement in our Media and Communications team.

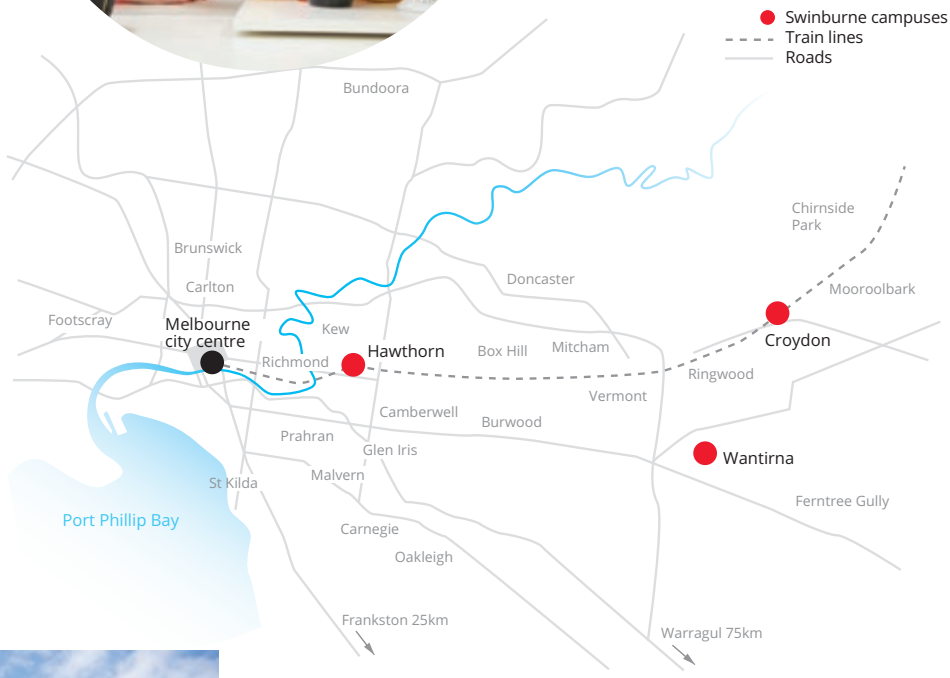
Check out more stories about life on campus at **knowing.swinburne.edu.au**

#Swinburne #Hawthorn #coffee #food #campuslife

Wantirna campus

Our Wantirna campus is located in the heart of Melbourne's eastern suburbs, close to Knox City Shopping Centre.

You can complete diploma and certificate courses in areas such as building, business, community services, computing, design, early childhood education, engineering, horticulture, information technology and nursing.



Croydon campus

Our Croydon campus is situated in the foothills of beautiful Mount Dandenong. Eastland Shopping Centre is a quick drive or a two-stop train journey away.

Courses offered at our Croydon campus focus on trades training, as well as youth programs such as pre-apprenticeships and the Victorian Certificate of Applied Learning.

Life at Swinburne

At Swinburne, we understand that life at university isn't just about studying. As well as empowering you to have the best learning experience possible, we want to support and enhance your student life, too.

Clubs and societies

The Swinburne Student Amenities Association (SSAA) coordinates clubs, societies and events across all campuses.

There are lots of clubs covering a huge range of social, religious, sporting, political and cultural interests, so there's bound to be something for you. The SSAA also runs events and cultural activities throughout the year – from free barbecues and lunchtime events to themed parties, balls and getaways.

Visit **www.swinburne.edu.au/ssaa**

The perks of being a Swinburne volunteer

The SSAA's Student Leadership and Volunteering program helps you stand out from the pack by providing opportunities to contribute to the Swinburne community through leadership and volunteering roles.

Along with impressing future employers, volunteering at Swinburne can also give you extra qualifications. You may be able to access free training sessions in first aid, responsible service of alcohol and barista skills.

There are also grants available to help students help others. Grants of up to $1000 are available for a diverse range of community projects.

Find out more at **www.myssaa.com.au/slvp**

O-Week: brought to you by the SSAA

Facilities and services

In addition to scheduled lectures and tutorials, you'll need to spend time completing related readings, undertaking research and completing assignments. The on-campus library and computer labs provide resources and facilities for this, but with wi-fi connectivity across the campus and hotspots in many cafés beyond, your study experience doesn't have to be limited to the library.

You'll also have access to a variety of student services, including:

- careers and employment
- counselling
- health
- housing
- disability
- financial advice
- learning and study skills
- legal advice
- child care.

Learning and Academic Skills Centre

Swinburne's learning and academic skills advisers can help you to study smarter and achieve better results. Develop your skills in:

- essay, report and thesis writing
- maths, statistics, physics and chemistry
- giving presentations
- researching and referencing
- making assignments look more professional
- preparing for exams.

You can attend free workshops and seminars, and make individual or group appointments with an adviser. A range of online resources is also available.

Visit **www.swinburne.edu.au/las**

Language and Academic skills Centre

Mathematics and Statistics Help Centre

The Mathematics and Statistics Help (MASH) Centre is a learning space where you can ask questions about the maths and statistics in your course. It's based in a purpose-built space at the Hawthorn campus and is open five days a week during each semester.

Visit **www.swinburne.edu.au/mash**

Mathematics and Statistics Help Centre

Tips to help you feel safe on campus at night

Throughout the semester many students stick around campus later at night to cram for exams and get those final group assignments done.

Here are some Swinburne services to keep you feeling safe.

The Hawthorn night bus

The Hawthorn night bus can drop you wherever you request, within the boundaries of Riversdale Road, Auburn Road, Barkers Road and Power Street.

Security officers

Swinburne Security are more than happy to provide you with a security guard to walk with you anywhere on or around campus. Security guards can be spotted patrolling the university day and night in their high-vis vests. They have a manned control room on the Hawthorn Campus, staffed 24 hours a day, seven days a week.

Safe@Swin app

Safe@Swin is the official app of Swinburne's Safer Community Program and can be downloaded through the App Store or Google Play. The app allows students and staff to access contact details for campus security guards, student support services, information on reporting emergencies and safety issues, personal safety tools and advice, and campus maps.

PSOs

If you catch the train home from uni at night, it's comforting to know that Glenferrie station is well lit and patrolled by protective service officers right up until the last train leaves.

This is an edited extract of an article that originally appeared on Swinburne's Tumblr, Knowing. The article was written by a Swinburne student completing a 12-month paid professional work placement in our Media and Communications team.

Check out more stories about life on campus at **knowing.swinburne.edu.au**

#Swinburne #Hawthorn #campus #safety

International study opportunities

The cultural experience of international study offers you a personal growth opportunity: to develop insight, communication skills and a depth of understanding. It can also add to your professional skills: your newly acquired global perspective might just be what makes an employer choose you over the rest.

Choose from a semester or year-long international exchange experience or one of our two to four-week study tours.

We have exchange arrangements with more than 100 international partner institutions in over 20 countries.

Visit **www.swinburne.edu.au/abroad**

FIVE REASONS TO GO ON A STUDY TOUR

When Bachelor of Information Technology student Rosie first heard about the IT for Social Impact study tour to India she didn't think it was for her. However, it became "the best thing I've done at uni".

Here are Rosie's top reasons to study abroad.

1. The places you'll go

One of our journeys involved a 10-hour train trip. Throughout the trip people were constantly moving about the carriages, some selling chai, some looking for an empty place to perch, others trying to sell bananas. There was no rest from the bustle, even on a train moving at 60 kilometres per hour.

2. The people you'll meet

I met so many people! School children, teachers, volunteers, community leaders and, of course, the amazing study tour team.

3. The causes you'll support

This trip was run in conjunction with Brunswick-based not-for-profit group CERES, as part of the CERES Global program. We also worked with three Indian non-government organisations.

4. The technology you'll showcase

We got to show the teachers and students fun technology like the Kaiser Baas Alpha Drone Quadcopter, as well as educational and wi-fi resources. Before the trip each team member was involved in discovering, researching and sourcing this technology so we could share it.

5. The culture you'll experience

One night in a rural village after dinner we all crowded into a tiny kitchen and had a lesson in chai making. We also got to see some of the local sports and young talent on display at schools we visited. We saw stunning sights like the Taj Mahal and the Agra Fort, which are much better in person than on the posters.

This is an edited extract of an article that originally appeared on Swinburne's Tumblr, Knowing.

Head to **www.swinburne.edu.au/ict** to read more about Rosie's experience in India.

#Swinburne #people #travel #information and communication technologies

Scholarships

Whether you dream of making a difference in industry, undertaking pioneering research or dedicating your talents to serving the community, Swinburne scholarships provide an opportunity to make your goals a reality.

A variety of scholarships is available to prospective students in recognition of academic excellence.

Commencing and current students can also access scholarships recognising community service, financial hardship or the need to relocate from regional areas to complete their studies.

Visit **www.swinburne.edu.au/scholarships** for more information about all available scholarships.

High Achievers Program

Students who receive one of the following scholarships will have the opportunity to be part of the High Achievers Program:

- Vice-Chancellor's Excellence Scholarship
- Dean's Outstanding Achievement Scholarship.

More than just a scholarship, the High Achievers Program offers a university experience unlike any other. Being part of this program means having access to:

- a guaranteed place in a study tour related to your degree
- like-minded peers to share insights and networking opportunities.

You will also have the opportunity to apply to become part of Swinburne's Student Ambassador Program, representing Swinburne at key events.

Visit **www.swinburne.edu.au/highachievers**

Vice-Chancellor's Excellence Scholarships

Recipients receive $5000 per annum for the normal duration of their chosen course, a one-off payment of $2000 towards an international study experience and a guaranteed place in Swinburne's student accommodation (subject to academic performance and other scholarship conditions).

Application: VTAC or direct
Minimum ATAR: 95.00
Students may select a bachelor degree in their chosen area of study.

Dean's Outstanding Achievement Scholarships

Recipients receive $2500 per annum for the normal duration of their chosen course, a one-off payment of $2000 towards an international study experience and a guaranteed place in Swinburne's student accommodation (subject to academic performance and other scholarship conditions).

Application: VTAC or direct
Minimum ATAR: 90.00
Students may select a bachelor degree in their chosen area of study.

Science, Technology, Engineering and Mathematics Scholarship

Recipients receive $2000 per annum for the normal duration of their chosen course, a one-off payment of $2000 towards an international study experience or $3000 towards a study experience at Swinburne's Sarawak campus and a guaranteed place in Swinburne's student accommodation (subject to academic performance and other scholarship conditions).

Students who continue to an honours or master qualification will continue to receive the scholarship for each year of their course.

Application: No separate application is necessary; see website for eligibility criteria
Indicative minimum ATAR: 85.00
Students must enrol in an eligible degree in aviation, engineering, ICT or science.

George Swinburne Merit Scholarship

Recipients receive $1000 per annum for the normal duration of their chosen course, a one-off payment of $2000 towards an international study experience and a guaranteed place in Swinburne's student accommodation (subject to academic performance and other scholarship conditions).

Application: VTAC or direct
Minimum ATAR: 85.00
Students may select any bachelor degree that they meet the entry requirements for.

Financial matters

Degrees, associate degrees and UniLink diplomas

If you are an Australian local student when you commence study, the Australian government contributes to the cost of your course. This is called a Commonwealth supported place (CSP).

You must also contribute towards the cost of your tuition. The amount you pay depends on which units you study and the payment method you choose.

Find out more at **www.swinburne.edu.au/degrees/fees**

HECS-HELP

You may defer your student contribution by taking out a HECS-HELP loan. HECS-HELP is available to eligible students enrolled in a CSP. This loan can cover all or part of the student contribution amount. You are eligible for HECS-HELP if you are a Commonwealth supported student and an Australian citizen or the holder of a permanent humanitarian visa.

Under this option the Commonwealth Government pays the loan amount directly to Swinburne. When your salary reaches the minimum repayment threshold, you will make compulsory repayments through the tax system.

Visit **www.studyassist.gov.au**

Other expenses

All degree students pay a student services and amenities fee. In 2017 the maximum fee is $290 for a full-time student. Students who are unable to pay the fee up-front can defer all or part of the fee through an element of the Higher Education Loan Payment, known as SA-HELP. The fee contributes to funding student services such as childcare, counselling, legal and health services, and sport and recreation.

You will also need to cover costs such as textbooks, materials, art supplies or software for your course.

Advanced diplomas, diplomas and certificates

Fees for advanced diplomas, diplomas and certificates are made up of a tuition fee, materials fee (if relevant) and ancillary fee (if relevant).

Government-subsidised places are available to eligible students. To be eligible for a government-subsidised place you must meet certain requirements: age, citizenship/residency and prior qualifications.

Visit **www.swinburne.edu.au/diplomas/fees**

VET Student Loans

The VET Student Loans program helps eligible students pay all or part of the tuition fees for some advanced diplomas and diplomas.

VET Student Loans let you defer some or all of the cost of your further education until you earn above the minimum repayment threshold. If you receive a VET Student Loan, the Australian Government pays the loan amount directly to Swinburne on your behalf. You then repay that loan through the tax system.

Visit **www.studyassist.gov.au**

Skills First

Skills First (formerly the Victorian Training Guarantee) is a Victorian Government scheme that helps eligible students access vocational education and training. If you do not qualify under Skills First, you may still be eligible to receive a VET Student Loan.

Concessions

To be eligible for concessions, you must hold a current Health Care Card (HCC), Pensioner Concession Card or Veterans Gold Card, or be a dependent spouse or child of such a cardholder.

A current HCC or letter of eligibility for a HCC from Centrelink must be shown at the time of enrolment to receive a concession.

How to apply

Applications should be made through the Victorian Tertiary Admissions Centre (VTAC) or direct to Swinburne, depending on your course and when you want to commence.

Application methods	Semester 1/ February intake	Other intakes
Bachelor degree	Direct application or VTAC	Direct application
Associate degree	Direct application or VTAC	Direct application
Certificate IV, diploma, advanced diploma (full-time)	Direct application or VTAC	Direct application
Certificate IV, diploma, advanced diploma (part-time)	Direct application	Direct application
Certificate III and below	Direct application	Direct application
Apprenticeships	Find a job and register	Find a job and register
Pre-apprenticeships	Direct application	Direct application

Note: Some courses require supplementary application forms or have special application requirements; see individual course entries for details.

VTAC applications

For Year 12 students and others intending to apply to multiple institutions, VTAC applications for Semester 1 should be submitted via the VTAC website. An application fee applies.

The application period opens in August and closes in the last week of September. Late applications will be accepted by VTAC until mid December, but some programs that have special requirements will not accept late applications.

The VTAC system allows you to preference up to eight courses in your application.

Visit **www.vtac.edu.au**

Change of Preference

You can change your original VTAC application course preferences during the Change of Preference period in December.

See the VTAC website for more information.

Direct applications

If you are not a Year 12 student and if you intend to apply only to Swinburne, you can apply directly to Swinburne for VTAC-listed courses. Direct applications are accepted for all intakes for all courses not listed on the VTAC website.

Visit **www.swinburne.edu.au/apply** to apply online.

Pre-apprenticeship, apprenticeship and traineeship applications

To apply for a pre-apprenticeship, visit **www.swinburne.edu.au/diplomas/apply** to download a copy of the application form or apply online.

To apply for an apprenticeship or traineeship you must first find an employer who will take you on as an apprentice or trainee and arrange your training agreement.

Visit **www.swinburne.edu.au/apply/apprenticeships**

International students

International students (including Temporary or Provisional Residents and holders of Temporary Protection Visas) applying to study at a Swinburne campus in Australia should contact Swinburne International.

1800 897 973 (within Australia)
international@swinburne.edu.au
www.swinburne.edu.au/international

Our approach to ATARs

We believe you can reach your goals no matter what ATAR you achieve. That's why Swinburne has an option for every ATAR.

The ATARs listed are provided as a guide only for 2018 entry. Additional selection criteria may apply to some courses. Refer to VTAC for full details.

Special Entry Access Scheme

The Special Entry Access Scheme (SEAS) is offered through VTAC for students who have experienced educational disadvantage. SEAS allows Swinburne to grant extra consideration for course entry by taking into account any short- or long-term disadvantage.

Our courses

WHY SWINBURNE?

Take on the world's Grand Challenges

This final-year project is challenging Bachelor of Arts students to explore life's big questions.

Swinburne Writers Festival

Take part in this festival hosted at venues including the Wheeler Centre.

Write now and get published

Student-produced *The Burn* magazine is just one way to get your writing published.

Arts and Social Sciences

swinburne.edu.au/arts

Arts and Social Sciences majors

- Advertising
- Chinese
- Cinema and Screen Studies
- Creative Writing and Literature
- Criminology
- Digital Advertising Technology
- Environmental Sustainability
- Games and Interactivity
- History
- International Studies
- Japanese
- Journalism
- Media Studies
- Philosophy
- Politics and International Relations
- Professional Writing and Editing
- Social Media
- Sociology

Professional recognition

Our arts and social sciences courses provide many opportunities to connect with leading industry organisations.

Graduates of the digital advertising technology major may be eligible for membership of the Australasian Interactive Media Industry Association.

Graduates of the journalism major may be eligible to apply for membership of the Media, Entertainment and Arts Alliance.

Double degrees may provide additional opportunities for membership.

Growing up in the Western suburbs I've always been a football fan. The fact that I get to do it every day for a career is pretty surreal. Putting in the hard yards, all those late nights studying, is worth it. It was great to learn the foundations in my course. To have the experience of the new media landscape was important and it's prepared me really well for my current role.

Kirstie

Journalism graduate
AFL Victoria Communications Manager – Community

Visit **www.swinburne.edu.au/arts** to hear about Kirstie's Swinburne journey.

Preview your Arts and Social Sciences degree

Our standard three-year degrees comprise 24 units of study.

You'll complete core units, designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Many degrees also offer the flexibility to choose a second major – either from your area of study or from another discipline – as well as elective units. A Work Integrated Learning option, like a paid work placement or an industry study tour, is a great way to gain practical experience while earning credit towards your degree.

Enjoy more clarity, choices and flexibility in your studies at Swinburne.

Sample degree structure: Bachelor of Arts (two majors and electives)

Year 1	Semester 1	Major 1	Major 2	Elective	Elective
	Semester 2	Major 1	Major 2	Elective	Elective
Year 2	Semester 1	Major 1	Major 1	Major 2	Major 2
	Semester 2	Major 1	Major 1	Major 2	Major 2
Year 3	Semester 1	Major 1	Major 2	Major 2	Elective
	Semester 2	Major 1	Elective	Core	

Professional degrees offer a guaranteed 12-month, paid work placement. This means you'll receive invaluable full-time work experience and credit towards your degree.

Sample degree structure: Bachelor of Arts (Professional) (two majors and electives)

Year 1	Semester 1	Major 1	Major 2	Elective	Elective
	Semester 2	Major 1	Major 1	Major 2	Major 2
Year 2	Semester 1	Major 1	Major 1	Major 2	Major 2
	Winter Term	Elective	Elective		
	Semester 2	Major 1	Major 1	Major 2	Major 2
Year 3	Semester 1	Professional Placement Co-Major		Professional Placement Co-Major	
	Semester 2	Professional Placement Co-Major		Professional Placement Co-Major	
Year 4	Semester 1	Major 1	Major 2	Core	

Arts and Social Sciences

Course	ATAR	Duration	Prerequisites	Apply
ADVERTISING				
Bachelor of Arts (Professional) with a major in Advertising [H] **Bachelor of Arts with a major in Advertising [H]** Gain vital knowledge and skills needed to succeed in the complex and creative world of advertising. Explore effective design and strategy, as well as advertising development, implementation and evaluation. Learn how to design advertisements that not only please clients but achieve the ultimate purpose of reaching the audience in the desired way. This degree is professionally accredited by the Media Federation of Australia. Also see Media and Communications (page 83). **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Marketing and sales professional, public relations officer, advertising consultant, media planner, brand strategist.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
ARTS				
Bachelor of Arts (Professional) [H] **Bachelor of Arts [H]** Gain a general understanding of contemporary social and cultural developments, as well as specialised knowledge in a chosen area(s) of study. Choose from a wide range of major study areas. The advertising major is professionally accredited by the Media Federation of Australia. **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, interpreter, writer, public policy analyst, welfare worker, communications officer.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
Bachelor of Arts/Bachelor of Business [H] Gain a general understanding of contemporary social and cultural developments, as well as a strong understanding of the business world. Choose from a wide range of arts and business major study areas. Professional accreditation: See Bachelor of Business (page 30). **Career opportunities:** Policy analyst, business analyst, administrator, research assistant, economist, journalist, social planner.	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Arts/Bachelor of Science [H] Gain a general understanding of contemporary social and cultural developments, as well as a capacity to understand complex scientific information in a specialised field. **Career opportunities:** Strategic planner, policy advisor, local government advisor, sustainability manager, sustainability coordinator, journalist, social planner.	65+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
Bachelor of Education (Secondary)/Bachelor of Arts [H] Gain a teaching qualification with the opportunity to pursue interests in the humanities. Engage in innovative approaches to teaching and learning in a secondary school, as well as the ability to reflect on the social, ethical and professional expectations that the rise of technology brings to the classroom and the nature of learning. Professional accreditation: See Bachelor of Education (Secondary) (page 46). **Career opportunities:** Secondary school teacher.	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics. Applicants require police and working with children checks.	V or D
Bachelor of Laws/Bachelor of Arts [H] Learn about commercial law with emphasis on intellectual property law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Gain a general understanding of contemporary social and cultural developments through a range of arts major study areas. Professional accreditation: See Bachelor of Laws (page 81). **Career opportunities:** Lawyer, public servant, media manager, communications manager, consultant, publisher, consultant.	90+	5 yrs FT 10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Diploma of Arts and Communication (UniLink) (8 months) [H] This higher education diploma provides an alternative pathway to the second year of a bachelor degree. The units are similar to those offered in the first year of a bachelor degree, but classes are smaller and students have more one-on-one time with teachers. Complete units in communication skills, sociology and marketing. **Career opportunities:** Trainee journalist, public relations officer, media officer.	50+	8 mths FT 16 mths PT	Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 25 in English (EAL)	V or D

KEY **C** Croydon | **EV** External venue | **D** Direct | **FT** Full-time | **H** Hawthorn | **N/A** Not applicable | **O** Online | **PT** Part-time | **RC** Range of criteria | **V** VTAC | **W** Wantirna

Course	ATAR	Duration	Prerequisites	Apply
CHINESE				
Bachelor of Arts (Professional) with a major in Chinese [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Arts with a major in Chinese [H]	60+	3 yrs FT/6 yrs PT		V or D
Study the structure, grammar, phonetics and phonology of a language at beginner or advanced level to become prepared for a range of specialist and general professions. **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, public policy analyst, welfare worker, cultural adviser, international trade consultant, tourism and travel consultant, translator.				
CINEMA AND SCREEN STUDIES				
Bachelor of Arts (Professional) with a major in Cinema and Screen Studies [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Arts with a major in Cinema and Screen Studies [H]	60+	3 yrs FT/6 yrs PT		V or D
Explore moving-image traditions and theories. Develop screen-specific research and writing skills, and become prepared for roles in media organisations and across a range of creative industries. Also see Media and Communications (page 83). **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, broadcast presenter, film researcher, production coordinator, community arts worker.				
CREATIVE WRITING AND LITERATURE				
Bachelor of Arts (Professional) with a major in Creative Writing and Literature [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Arts with a major in Creative Writing and Literature [H]	60+	3 yrs FT/6 yrs PT		V or D
Gain an understanding of creative text and popular culture in literature. Develop models for your own writing and critiquing skills in literature, while exploring subjects such as self and society. Also see Media and Communications (page 83). **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, publisher, writer, editor, screenwriter, producer.				
CRIMINOLOGY				
Bachelor of Arts (Professional) with a major in Criminology [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Arts with a major in Criminology [H]	60+	3 yrs FT/6 yrs PT		V or D
Bachelor of Social Science with a major in Criminology [O]	RC	3 yrs FT/6 yrs PT		D
Gain an understanding of why crimes are committed and how they affect society. Examine the motivations behind criminal activity and learn how to analyse trends, formulate policies and create systems to help prevent crime. **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, public policy analyst, welfare worker, corrections officer, police officer, community development officer.				
DIGITAL ADVERTISING TECHNOLOGY				
Bachelor of Arts (Professional) with a major in Digital Advertising Technology [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Arts with a major in Digital Advertising Technology [H]	60+	3 yrs FT/6 yrs PT		V or D
Gain the skills to produce tailored content, manage campaigns and evaluate analytics. This major has been developed in consultation with Adobe and industry partners. Also see Media and Communications (page 83). **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, publisher, writer, editor, social media officer, digital advertising specialist, digital marketing executive.				

Arts and Social Sciences

Course	ATAR	Duration	Prerequisites	Apply
ENVIRONMENTAL SUSTAINABILITY				
Bachelor of Arts (Professional) with a major in Environmental Sustainability [H] **Bachelor of Arts with a major in Environmental Sustainability [H]** Examine the causes and extent of ecological destruction and the transformations required to enable sustainable economies. Address issues such as climate change; the destruction of forests, arable land and oceanic fisheries; resource depletion; fossil fuel and motor vehicle dependence; and threats to social wellbeing. **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Environmental officer, sustainability policy adviser, sustainability engagement coordinator, environmental consultant.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
GAMES AND INTERACTIVITY				
Bachelor of Arts (Professional) with a major in Games and Interactivity [H] **Bachelor of Arts with a major in Games and Interactivity [H]** Learn about the role of games in contemporary society and how games are developing as a cultural industry. Undertake a range of projects focusing on analog and digital games, and develop practical and creative research and communication skills in a games lab environment. Become equipped with the skills needed to work in the rapidly evolving games industry as well as the broader digital media sector. Also see and Games and Animation (page 59) and Media and Communications (page 83). **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Game developer, media producer, multimedia developer, video games developer.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
HISTORY				
Bachelor of Arts (Professional) with a major in History [H] **Bachelor of Arts with a major in History [H]** Research, engage and challenge traditional ideas and practices, while developing critical skills in understanding how history is both made and written. Learn about the historical antecedents of contemporary problems, including themes of war and peace, colonialism, gender, media, and political and radical history. **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, sociologist, analyst, curator, media officer, policy adviser, public relations officer.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
INFORMATION MANAGEMENT				
Diploma of Library and Information Services BSB52115 [H] [O] Gain the skills and knowledge needed to work in a variety of technical and customer service positions in the library and information sector. **Career opportunities:** Library technician, library officer.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
INTERNATIONAL STUDIES				
Bachelor of Arts (Professional) with a major in International Studies [H] **Bachelor of Arts with a major in International Studies [H]** Gain an understanding of the political, cultural, economic and social contexts of global issues. Learn how to deal with foreign cultures, languages, worldviews and values; gain an appreciation for cultural diversity and borderless societies; and develop an understanding about how economic trade and geopolitical lines affect our everyday lives. **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, interpreter, international business manager, international policy adviser, international aid worker, foreign affairs officer.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D

Course	ATAR	Duration	Prerequisites	Apply
JAPANESE				
Bachelor of Arts (Professional) with a major in Japanese [H] **Bachelor of Arts with a major in Japanese [H]** Study the structure, grammar, phonetics and phonology of a language at beginner or advanced level to become prepared for a range of specialist and general professions. **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, public policy analyst, welfare worker, cultural adviser, international trade consultant, tourism and travel consultant, translator.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
JOURNALISM				
Bachelor of Arts (Professional) with a major in Journalism [H] **Bachelor of Arts with a major in Journalism [H]** Combine traditional journalistic skills with online publishing, multimedia production and the skills required for interacting with audiences, social networking and building online communities. Publish and broadcast work in online, television, radio and print outlets. Also see Media and Communications (page 83). **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, publisher, writer, editor, multimedia content producer, television presenter, radio presenter.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
Diploma of Screen and Media CUA51015 specialising in Broadcast Journalism [H] Learn about the relationship between the media and community, and society and industry. Gain practical production and presentation skills in multi-platform journalism, including radio, television, print and online. Participate in weekly live-to-air radio broadcasts and gain experience in photojournalism and coordinating television programs. **Career opportunities:** Journalist, television presenter, radio presenter, producer, director, media buyer, production coordinator.	RC	1 yr FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
MEDIA INDUSTRIES				
Bachelor of Arts (Professional) with a major in Media Industries [H] **Bachelor of Arts with a major in Media Industries [H]** Develop the knowledge and skills needed to understand and prepare for roles in the media environment. Gain experience in making connections with industry. Also see Media and Communications (page 83). **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, publisher, editor, television presenter, radio presenter, producer, director, media buyer.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
PHILOSOPHY				
Bachelor of Arts (Professional) with a major in Philosophy [H] **Bachelor of Arts with a major in Philosophy [H]** Gain an understanding of the main philosophical themes and thinkers that have shaped our contemporary world view. Develop critical and creative reasoning skills. Undertake studies in areas including environmental philosophy, ethics, philosophical psychology, political philosophy and the history of ideas. **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, public policy analyst, advocacy officer, business ethics consultant, lobbyist, mediator, politician.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D

Arts and Social Sciences

Course	ATAR	Duration	Prerequisites	Apply
POLITICS AND INTERNATIONAL RELATIONS				
Bachelor of Arts (Professional) with a major in Politics and International Relations [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Arts with a major in Politics and International Relations [H] Learn about Australian and comparative politics, public policy, foreign policy and international relations theory. Examine Australia's engagement with the Asia-Pacific region, violence in the international realm, ethical approaches to security, as well as the major conflicts occupying the international agenda. **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Politician, journalist, interpreter, diplomat, human rights officer, foreign affairs adviser, international trade specialist.	60+	3 yrs FT/6 yrs PT		V or D
Bachelor of Social Science with a major in Security and Counter Terrorism [O] Examine the changing nature of warfare and its justification in the context of the post-September 11 security environment, including the role of technology such as drone warfare and cybersecurity, and the legislative changes that aim to protect 'liberty' and democracy. **Career opportunities:** Strategic planner, business analyst, counter terrorism liaison officer, cyber safety adviser, fraud officer, risk analyst.	RC	3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	D
Bachelor of Social Science with a major in Security and International Relations [O] Explore complex issues around security, international trade and global diplomacy. Develop an understanding of domestic and international political issues. Learn how to approach issues from a range of perspectives. **Career opportunities:** International trade affairs officer, policy adviser, risk analyst.	RC	3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	D
PROFESSIONAL WRITING AND EDITING				
Bachelor of Arts (Professional) with a major in Professional Writing and Editing [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Arts with a major in Professional Writing and Editing [H] Gain an understanding of industry laws and regulations, as well as writing and editing skills for novels, non-fiction, creative fiction, scripts, screenwriting, advertising and the web. **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, publisher, writer, editor, advertising specialist, public relations officer.	60+	3 yrs FT/6 yrs PT		V or D
Diploma of Professional Writing and Editing 22091VIC [H] Learn about industry laws and regulations; gain skills in designing and developing text documents; and learn how to write and edit for novels, short stories, popular fiction, children's books and the web. **Career opportunities:** Journalist, publisher, writer, editor, public relations officer.	RC	1 yr FT 2 yrs PT	Successful completion of Certificate IV in Professional Writing and Editing or equivalent, or industry experience	V or D
Certificate IV in Professional Writing and Editing 22203VIC [H] Gain writing, editing and proofreading skills. **Career opportunities:** Journalist, writer, editor, proofreader.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Victorian Year 12 with Units 3 and 4 – a study score of at least 20 in English (any) or equivalent, or relevant work experience. Applicants must present a folio of work and attend an interview.	V or D
SOCIAL MEDIA				
Bachelor of Arts (Professional) with a major in Social Media [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Arts with a major in Social Media [H] Gain a comprehensive understanding of social media platforms within social, cultural and industry contexts. Learn how to analyse new and emerging media technologies and drive their use and innovation across industry. Also see Media and Communications (page 80). **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Digital advertising specialist, social media officer, journalist, publisher, editor, multimedia content producer.	60+	3 yrs FT/6 yrs PT		V or D

Course	ATAR	Duration	Prerequisites	Apply
SOCIAL SCIENCES				
Bachelor of Social Sciences [O] Gain a broad understanding of social science in the context of a culturally diverse global environment. Choose from the following major study areas: criminology, security and international relations, security and counter terrorism, or behavioural studies. **Career opportunities:** Child protection officer, community health worker, human resources support.	RC	3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	D
SOCIOLOGY				
Bachelor of Arts (Professional) with a major in Sociology [H] **Bachelor of Arts with a major in Sociology [H]** Understand and respond to urgent global challenges: wellbeing across the life span, global movements and inequalities, and technological transformations. Engage with classical and contemporary social theory and acquire traditional and emerging social research skills, including digital and audio-visual methods. **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, sociologist, welfare worker, community education officer, cultural events coordinator, youth adviser.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D

My course has fostered my creative and personal development over the past few years. I believe my biggest achievement at Swinburne has been the building of my professional portfolio. My tutors have genuine concern for their students and encourage us to get the most out of our university experience.

Aziza | **Studying professional writing and editing**

WHY SWINBURNE?

International study tour

You've heard of Boeing and Airbus – now visit their facilities, as well as leading airline facilities around the world.

Get degree qualified

Swinburne is the only university in Victoria offering a bachelor degree designed specifically to train you as a commercial pilot.

CAE Oxford Aviation Academy

You'll be learning to fly with the largest training organisation in Australia. CAE Oxford Aviation Academy is located at Moorabbin Airport where the busy flying environment is great preparation for a career as a commercial pilot.

Aviation

swinburne.edu.au/aviation

Did you know?

Swinburne is proud to provide cadet pilot training for Jetstar. The cadetship program trains future First and Second Officers to fly Jetstar Airbus A320 and Boeing 787 Dreamliner aircraft.

Jetstar

Swinburne students training at CAE Oxford Aviation Academy

Studying aviation management provided practical and specific aviation knowledge that allowed me to jump straight into the workforce and make a valuable contribution. The experience I gained through studying at Swinburne gave me the edge over my peers.

Nic

Aviation management graduate

Visit **www.swinburne.edu.au/aviation** to hear from students about studying aviation at Swinburne.

Preview your Aviation degree

Some degrees offer highly specialised teaching. They feature extra core units, designed to prepare you with essential skills and knowledge relevant to your chosen degree.

The Aviation Industry Forum provides students with exclusive access to speakers from the aviation industry. Gain insight into how the industry works with presentations from experts working in airports, with airlines and in aviation industry regulation.

Sample degree structure: Bachelor of Aviation

Year 1	Semester 1	Core	Core	Core	Core	
	Semester 2	Core	Core	Core	Elective	Aviation Industry Forum
Year 2	Semester 1	Core	Core	Elective	Elective	Aviation Industry Forum
	Semester 2	Core	Core	Core	Elective	
Year 3	Semester 1	Core	Core	Elective	Elective	
	Semester 2	Core	Core	Elective	Elective	

Sample degree structure: Bachelor of Aviation Management

Year 1	Semester 1	Core	Core	Core	Core	
	Semester 2	Core	Core	Core	Core	Aviation Industry Forum
Year 2	Semester 1	Core	Core	Elective	Elective	Aviation Industry Forum
	Semester 2	Core	Core	Elective	Elective	
Year 3	Semester 1	Core	Core	Elective	Elective	
	Semester 2	Core	Core	Elective	Elective	

Aviation

Course	ATAR	Duration	Prerequisites	Apply
AVIATION MANAGEMENT				
Bachelor of Aviation Management [H] Gain a sound professional understanding of the aviation industry and its associated environment, and skills in organisational, regulatory, safety, technical and business management. **Career opportunities:** Business systems manager, airline ground operations manager, airport manager, civil aviation safety authority (CASA) employee.	70+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
Bachelor of Aviation Management/Bachelor of Business [H] Gain a sound professional understanding of the aviation industry and its associated environment, and skills in organisational, regulatory, safety, technical and business management. Professional accreditation: See Bachelor of Business (page 30). **Career opportunities:** Business systems manager, airline flight operations manager, airline ground operations manager, civil aviation safety authority (CASA) employee.	70+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
Bachelor of Laws/Bachelor of Aviation Management [H] Learn about commercial law including contracts, negligence, administrative law and employment law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Gain a sound understanding of the aviation industry and skills in organisational, regulatory, safety, technical and business management. Professional accreditation: See Bachelor of Laws (page 81). **Career opportunities:** Lawyer, consultant, manager, compliance and regulation manager, project manager.	90+	5 yrs FT 10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
PROFESSIONAL PILOT LICENCE				
Bachelor of Aviation [H and EV] Become equipped for a professional career as a pilot. Learn about the structure and operation of the aviation industry; undertake flying training at CAE Oxford Aviation Academy; develop practical managerial and analytical skills and capabilities. This course is designed to take graduates beyond the requirements for the Civil Aviation Safety Authority Air Transport Pilot Licence theory examination, and Commercial Pilot Licence and Multi-engine Aeroplane Instrument Endorsement practical tests. Elect to complete additional flying qualifications such as a Flight Instructor Rating or Part61 approved Multi-crew Cooperation Course. **Career opportunities:** Professional pilot.	70+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods. Applicants must complete a skills test.	V or D
Bachelor of Aviation/Bachelor of Business [H and EV] Become equipped for a professional career as a pilot and learn about the world of business. This course is designed to take graduates beyond the requirements for the Civil Aviation Safety Authority Air Transport Pilot Licence theory examination, and Commercial Pilot Licence and Multi-engine Aeroplane Instrument Endorsement practical tests. Elect to complete additional flying qualifications such as a Flight Instructor Rating or Part61 approved Multi-crew Cooperation Course. Professional accreditation: See Bachelor of Business (page 30). **Career opportunities:** Professional pilot.	70+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods. Applicants must complete a skills test.	V or D

KEY **C** Croydon | **EV** External venue | **D** Direct | **FT** Full-time | **H** Hawthorn | **N/A** Not applicable | **O** Online | **PT** Part-time | **RC** Range of criteria | **V** VTAC | **W** Wantirna

WHY SWINBURNE?

Travel while you learn

Choose from a range of study tours designed for business students – travel to the US, Europe or Asia.

Unlock your curiosity and creativity

This is no ordinary Bachelor of Business! We teach you how to be innovative in your business career.

Industry-linked projects

Get closer to landing your dream job with a professionally focused final-year Capstone Project. You could find yourself working with prospective employers and developing valuable industry networks.

Business and Management

swinburne.edu.au/business

Bachelor of Business majors

- Accounting
- Accounting and Finance
- Business Administration
- Economics
- Entrepreneurship and Innovation
- Finance
- Human Resource Management
- Information Systems
- International Business
- Logistics and Supply Chain Management
- Management
- Marketing

Professional recognition

Our business and management courses are recognised by leading industry organisations. Graduates may be eligible for membership of a number of organisations relevant to their major area of study, including the Association of Chartered Certified Accountants, Australian Human Resources Institute, Australian Institute of Management, Australian Marketing Institute, Chartered Accountants Australia and New Zealand, Chartered Institute of Management Accountants, CPA Australia, Financial Services Institute of Australasia, Governance Institute of Australia and Institute of Public Accountants.

AHRI ACCREDITED 2014 - 2017

CHARTERED ACCOUNTANTS

CPA AUSTRALIA

IPA INSTITUTE OF PUBLIC ACCOUNTANTS Partnership beyond numbers

Meet George (left) and Tim (right): two entrepreneurship and innovation graduates who have both started successful businesses. George began his menswear line That Dapper Chap while he was still studying. Tim waited until after completing his degree to co-found organic skincare label Humble Body with two of his classmates. He's since launched Melbourne Pickle Co.

Head to **www.swinburne.edu.au/business** to find out more about George and Tim's business ventures.

Preview your Business and Management degree

Our standard three-year degrees comprise 24 units of study.

You'll complete core units, designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Many degrees also offer the flexibility to choose a second major – either from your area of study or from another discipline – as well as elective units. A Work Integrated Learning option, like a paid work placement or an industry study tour, is a great way to gain practical experience while earning credit towards your degree.

Enjoy more clarity, choices and flexibility in your studies at Swinburne

Sample degree structure: Bachelor of Business (two majors)

Year 1	Semester 1	Core	Core	Major 1	Major 2
	Semester 2	Core	Core	Major 1	Major 2
Year 2	Semester 1	Core	Major 1	Major 1	Major 2
	Semester 2	Core	Major 1	Major 2	Major 2
Year 3	Semester 1	Major 1	Major 1	Major 2	Major 2
	Semester 2	Major 1	Major 2	Core	Core

Professional degrees offer a guaranteed 12-month, paid work placement. This means you'll receive invaluable full-time work experience and credit towards your degree.

Sample degree structure: Bachelor of Business (Professional) (one major and electives)

Year 1	Semester 1	Core	Core	Core	Elective
	Semester 2	Core	Core	Major	Elective
Year 2	Semester 1	Core	Core	Major	Elective
	Winter Term	Elective	Elective		
	Semester 2	Core	Major	Major	Elective
Year 3	Semester 1	Professional Placement Co-Major		Professional Placement Co-Major	
	Semester 2	Professional Placement Co-Major		Professional Placement Co-Major	
Year 4	Semester 1	Major	Major	Major	Major

KEY **C** Croydon | **EV** External venue | **D** Direct | **FT** Full-time | **H** Hawthorn | **N/A** Not applicable | **O** Online | **PT** Part-time | **RC** Range of criteria | **V** VTAC | **W** Wantirna

Course	ATAR	Duration	Prerequisites	Apply
ACCOUNTING				
Bachelor of Accounting [H] Develop skills that are fundamental to evaluating, analysing and communicating the financial position of an organisation or individual. Become prepared in the areas of economics, company law, financial accounting, management accounting, finance, tax and auditing. This degree is professionally accredited by CPA Australia and Chartered Accountants Australia and New Zealand. **Career opportunities:** Public accountant, business consultant, auditor, taxation agent, financial advisor, financial forecaster, analyst.	60+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Accounting and Information Systems [H] Complete two 20-week placements in the accounting and information systems industries by working with Swinburne's industry partners and receive a tax-free scholarship of approximately $40,000. Learn how to use accounting systems to record and analyse business activities, employ financial statements to guide investment decisions and use information from cost accounting systems to make decisions, develop operating strategies and evaluate business performance. Discover how people, information, computers, networks and processes come together to create cohesive business solutions. This degree is professionally accredited by CPA Australia and Chartered Accountants Australia and New Zealand. **Career opportunities:** Public accountant, business consultant, auditor, taxation agent, financial advisor, systems architect, data analyst, business IT manager.	80+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Business (Professional) with a major in Accounting [H] **Bachelor of Business with a major in Accounting [H]** **Bachelor of Business with a major in Accounting [O]** Develop skills that are fundamental to evaluating, analysing and communicating the financial position of an organisation or individual. Become prepared in the areas of financial information systems, management accounting, company accounting, financial management, tax and auditing. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Business manager, accountant, project manager, administrator, risk analyst.	80+ 60+ RC	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D D
Bachelor of Business (Professional) with a major in Accounting and Finance [H] **Bachelor of Business with a major in Accounting and Finance [H]** Develop core skills in analysing investments, sourcing foreign exchange deals, analysing and communicating the financial position of an organisation, risk management and business investment. This degree is professionally accredited by CPA Australia and Chartered Accountants Australia and New Zealand. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Business manager, accountant, investment banker, project manager, administrator, risk analyst.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
Diploma of Accounting FNS50215 [H] [O] **Certificate IV in Accounting FNS40615 [C] [H] [O] [W]** Learn about intermediary accounting principles and applications. Gain practical accounting skills for work in financial services and other industries requiring accounting support. **Career opportunities:** Public accountant, auditor, financial forecaster, analyser, accounts clerk, administrator, bookkeeper, payroll officer.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
Certificate IV in Bookkeeping FNS40215 [C] [H] [O] [W] Receive practical training in cash and accrual accounting, business communication, business activity statements, instalment activity statements and computing. **Career opportunities:** Accounts clerk, bookkeeper.	RC	6 mths FT 1 yr PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D

Business and Management

Course	ATAR	Duration	Prerequisites	Apply
AVIATION MANAGEMENT				
Bachelor of Aviation Management [H] Gain a sound professional understanding of the aviation industry and its associated environment, and skills in organisational, regulatory, safety, technical and business management. **Career opportunities:** Business systems manager, airline ground operations manager, airport manager, civil aviation safety authority (CASA) employee.	70+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
Bachelor of Aviation Management/Bachelor of Business [H] Gain a sound professional understanding of the aviation industry and its associated environment, and skills in organisational, regulatory, safety, technical and business management. Professional accreditation**:** See Bachelor of Aviation (Management) (page 26). **Career opportunities:** Business systems manager, airline ground operations manager, airport manager, civil aviation safety authority (CASA) employee.	70+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
BUSINESS				
Bachelor of Business (Professional) [H] **Bachelor of Business [H]** Gain core skills and knowledge in business, management and operations. Students select a major area of specialisation that is combined with other studies to teach them how to be entrepreneurial thinkers and to prepare them for their future career. The accounting and finance major is professionally accredited by CPA Australia and Chartered Accountants Australia and New Zealand. The human resource management major is professionally accredited by the Australian Human Resources Institute. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Business manager, brand manager, public relations officer, accountant, advertising consultant, accounts clerk, project manager.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
Bachelor of Arts/Bachelor of Business [H] Gain a general understanding of contemporary social and cultural developments, as well as a strong understanding of the business world. Choose from a wide range of arts and business major study areas. Professional accreditation: See Bachelor of Business. **Career opportunities:** Policy analyst, media officer, business analyst, researcher, business manager, government officer.	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Design/Bachelor of Business [H] Gain the skills necessary to introduce elements of design into business-related studies and apply sound business principles to design practice to improve commercial outcomes. Professional accreditation: See Bachelor of Business. **Career opportunities:** Business consultant, communication designer, graphic designer, marketing and sales professional, event manager, communications manager.	65+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts or Visual Communication Design	V or D
Bachelor of Education (Secondary)/Bachelor of Business [H] Gain a teaching qualification with the prospect of a business career. Engage in innovative approaches to teaching and learning in a secondary school, as well as the ability to reflect on the social, ethical and professional expectations that the rise of technology brings to the classroom and the nature of learning. Professional accreditation: See Bachelor of Business and Bachelor of Education (Secondary) (page 46). **Career opportunities:** Secondary school teacher.	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics. Applicants require police and working with children checks.	V or D
Bachelor of Health Science/Bachelor of Business [H] Explore Australian and international health challenges. Examine the physical, psychological and social aspects of health in a variety of settings. Gain core skills and knowledge in business, management and operations to prepare for work in modern organisations. Professional accreditation: See Bachelor of Business and Bachelor of Health Science (page 68). **Career opportunities:** Medical researcher, psychologist, data scientist, biomedical scientist, business manager, public relations officer, project manager.	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V or D

Course	ATAR	Duration	Prerequisites	Apply
Bachelor of Laws/Bachelor of Business [H] Learn about commercial law with emphasis on intellectual property law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Learn how to be an entrepreneurial thinker and gain skills and knowledge in business management and operations. Professional accreditation: See Bachelor of Business and Bachelor of Laws (page 81). **Career opportunities:** Solicitor, lawyer, legal adviser, business systems manager, financial analyst, policy adviser, human rights advocate.	90+	5 yrs FT 10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Media and Communication/Bachelor of Business [H] Learn how to think critically and to develop problem-solving skills, research issues and analyse information. Gain an understanding of media and media production, public relations and the impact of design on these specialised areas of communication. Professional accreditation: See Bachelor of Business and Bachelor of Media and Communication (page 86). **Career opportunities:** Marketing and sales professional, media officer, public relations officer, advertising consultant.	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D

BUSINESS FOUNDATIONAL

Diploma of Business (UniLink) (8 months) [C] [H] This higher education diploma provides an alternative pathway to the second year of a bachelor degree. The units are similar to those offered in the first year of a bachelor degree, but classes are smaller and students have more one-on-one time with teachers. Complete units in accounting, economics, marketing and communication. **Career opportunities:** Human resources officer, marketing and sales officer, public relations officer.	50+	8 mths FT 16 mths PT	Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 25 in English (EAL)	V or D
Diploma of Business BSB50215 [H] [O] Gain advanced technology and administration skills, including recruitment and team management. **Career opportunities:** Human resources officer, marketing and sales officer, public relations officer.	RC	6 mths FT 1 yr PT	Successful completion of Certificate IV in Business or equivalent, or relevant work experience	V or D
Certificate IV in Business BSB40215 [H] [W] [O] Learn people management skills, and organisational and technology skills. **Career opportunities:** Human resources officer, marketing and sales officer, public relations officer.	RC	6 mths FT 1 yr PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D

BUSINESS ADMINISTRATION

Bachelor of Business (Professional) with a major in Business Administration [H] **Bachelor of Business with a major in Business Administration [H]** **Bachelor of Business with a major in Business Administration [O]** Gain an understanding of organisational management, strategies and principles. Develop practical, theoretical and conceptual skills, and an understanding about how businesses operate. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Business administrator, business manager, HR manager, market researcher, brand manager, public relations officer.	80+ 60+ RC	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D D
Diploma of Business Administration BSB50415 [O] Develop advanced business and administrative skills to coordinate projects across any workplace with efficiency and confidence. Become equipped to lead teams, manage payroll systems and coordinate staff. **Career opportunities:** Accounts supervisor, administrator, executive personal assistant, project assistant.	RC	1–2 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	D
Diploma of Financial Services FNS51815 [C] Gain skills and knowledge in a range of areas, including financial market analysis, financial forecasts and projections, budget management and risk assessment. This course includes a work placement. **Career opportunities:** Customer service manager, office supervisor, accounts clerk, administrator.	RC	6 mths FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D

Business and Management

Course	ATAR	Duration	Prerequisites	Apply
BUSINESS ADMINISTRATION (CONTINUED)				
Diploma of Legal Services BSB52215 [H] Learn about legislation, regulations and codes of practice relevant to areas such as family law, criminal law, property law and corporation law. Become prepared to use a range of specialised, technical and managerial skills to plan and carry out work in a legal context. Students also complete a work placement. **Career opportunities:** Legal secretary, administrator.	RC	6 mths FT	Successful completion of Certificate IV in Legal Services or equivalent, or relevant work experience	V or D
Certificate IV in Legal Services BSB42215 [H] Learn about working with contracts and other legal documents to provide support in a range of legal service settings. **Career opportunities:** Legal secretary, administrator.	RC	6 mths FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
BUSINESS ANALYSIS				
Bachelor of Business Information Systems with a major in Business Analysis [H] Learn about approaches to analysing and developing creative solutions to the economic, social and environmental changes and challenges facing business. Develop the skills to analyse the requirements of users and learn how to find ways to transform business through technology. **Career opportunities:** Systems analyst, systems architect, business analyst, requirements analyst.	60+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
BUSINESS INFORMATION SYSTEMS				
Bachelor of Business (Professional) with a major in Information Systems [H] **Bachelor of Business with a major in Information Systems [H]** Learn about business analysis and problem-solving, systems analysis, project management, the provision of IS services, social networking in organisations, and mobile business and connectivity. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Business IT manager, business analyst, information architect, manager, IT consultant, systems analyst and tester.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
Bachelor of Business Information Systems [H] Become prepared for immediate entry into the management of business information systems in organisations. Learn about business analysis and problem-solving, systems analysis, project management, the provision of IS services, social networking in organisations, and mobile business and connectivity. This degree is professionally accredited by the Australian Computer Society. **Career opportunities:** Systems analyst, systems architect, business IT manager.	60+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Business Information Systems/Bachelor of Business [H] Combine specialist studies in business information systems (IS) with a business degree. Gain the skills and knowledge to pursue a generalist or specialist career using IS and ICT to analyse business problems and develop creative and innovative solutions. Professional accreditation: See Bachelor of Business and Bachelor of Business Information Systems. **Career opportunities:** Business IT manager, business analyst, information architect, manager, IT consultant, systems analyst and tester.	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Information Technology [H] Spend 40 weeks gaining experience in the ICT industry by working with Swinburne's industry partners and receive a tax-free scholarship of approximately $40,000. Develop technical skills in databases and programming, and explore business analysis and problem-solving, business process management, project management, the management of information systems (IS) in organisations, the provision of IS services, social networking in organisations, and mobile business and connectivity. This degree is professionally accredited by the Australian Computer Society. **Career opportunities:** Project manager, business analyst, information architect, business requirements analyst.	80+	3 yrs FT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D

Course	ATAR	Duration	Prerequisites	Apply
DATA ANALYTICS				
Bachelor of Business Information Systems with a major in Data Analytics [H] Learn how business intelligence and business analytics are used to solve 'wicked problems' and provide business insight. Discover how business agility can be improved through an understanding of big data. **Career opportunities:** Business analyst, data analyst, business intelligence analyst, information management specialist, business solutions consultant.	60+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
DATA MANAGEMENT				
Bachelor of Business Information Systems with a major in Data Management [H] Gain hands-on experience in database design, implementation and management. Learn about contemporary issues relating to master data management, cloud storage, social media data and non-relational databases. **Career opportunities:** Database architect, database designer, database application developer, data services manager, data analyst.	60+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
ECONOMICS				
Bachelor of Business (Professional) with a major in Economics [H] **Bachelor of Business with a major in Economics [H]** Learn how to critically analyse and evaluate contemporary issues and policies put forward by government and international bodies. Gain a thorough understanding of the economics of financial markets, economic development, and environmental and managerial economics. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Business manager, market researcher, office supervisor, brand manager, risk analyst, economist, statistician.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
ENTREPRENEURSHIP AND INNOVATION				
Bachelor of Business (Professional) with a major in Entrepreneurship and Innovation [H] **Bachelor of Business with a major in Entrepreneurship and Innovation [H]** Differentiate a business idea from a tangible business opportunity and use innovation theory and techniques to maximise that opportunity. Develop strategic thinking and planning skills, explore business models, interpret sales and marketing opportunities, build an effective team and source capital funding. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Business owner, entrepreneur, venture capital analyst, change manager, product developer, market researcher, product manager.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
EVENT MANAGEMENT				
Diploma of Event Management SIT50316 [H] Develop wide-ranging, highly specialised technical event management skills with a strategic research, planning and communication focus. **Career opportunities:** Events planner, exhibitions coordinator, venue coordinator.	RC	1 yr FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
FINANCE				
Bachelor of Business (Professional) with a major in Finance [H] **Bachelor of Business with a major in Finance [H]** Learn how to analyse and assess financial forecasts and the value of companies, to manage risk, to investigate investment opportunities, and to examine the values of shares and bonds. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Investment manager, financial forecaster, business manager, accounts clerk, project manager, administrator, risk analyst.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D

Business and Management

Course	ATAR	Duration	Prerequisites	Apply
HUMAN RESOURCE MANAGEMENT				
Bachelor of Business (Professional) with a major in Human Resource Management [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Business with a major in Human Resource Management [H]	60+	3 yrs FT/6 yrs PT		V or D
Learn about the impact of human resource management as the driver of innovation and high performance in the workplace. Gain the skills and knowledge to manage and coordinate people to achieve strategic business objectives. This major is professionally accredited by the Australian Human Resources Institute. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** HR manager, recruiter, staff trainer, change manager, employee engagement officer, office supervisor, administrator.				
Diploma of Human Resources Management BSB50613 [H] [O]	RC	6 mths FT 1 yr PT	Successful completion of Certificate IV in Human Resources or equivalent, or relevant work experience	V or D
Develop the knowledge, skills and professional practice needed to perform in a human resources management role. Learn about workforce planning strategies, HR systems and compliance issues, performance management systems, and organisational culture and change. **Career opportunities:** HR manager, HR consultant, HR adviser, project manager, project coordinator.				
Certificate IV in Human Resources BSB41015 [H]	RC	6 mths FT 1 yr PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
Develop skills and knowledge of human resource operations, teamwork, occupational health and safety, and HR research, analysis and reporting. **Career opportunities:** HR consultant, HR adviser, project manager, project coordinator.				
INTERNATIONAL BUSINESS				
Bachelor of Business (Professional) with a major in International Business [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Business with a major in International Business [H]	60+	3 yrs FT/6 yrs PT		V or D
Discover the importance of culture, politics, trade and business policies; time zones; economic systems; currencies and business customs; and learn about their effects on an organisation with international interests. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** International business owner, entrepreneur, change manager, product developer, market researcher, product manager, brand manager.				

I've completed an internship as a marketing volunteer at the Castan Centre for Human Rights, which was a great opportunity to learn about both the legal and not-for-profit industries. I'm currently a public relations intern at Her Wardrobe, a designer dress rental store. I'm learning about media relations, partnerships, promotions and how to run an online business.

Katie	**Studying business, and media and communication** **Vice-Chancellor's Excellence Scholarship recipient** **2015 Swinburne student ambassador**

Course	ATAR	Duration	Prerequisites	Apply
LOGISTICS AND SUPPLY CHAIN MANAGEMENT				
Bachelor of Business (Professional) with a major in Logistics and Supply Chain Management [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Business with a major in Logistics and Supply Chain Management [H]	60+	3 yrs FT/6 yrs PT		V or D
Bachelor of Business with a major in Logistics and Supply Chain Management [O]	RC	3 yrs FT/6 yrs PT		D
Learn the skills required to manage the supply chain for an organisation. Gain project management skills, learn how to deal with external partners and develop skills in sourcing materials and negotiating prices. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Procurement officer, supply coordinator, materials logistics coordinator, production manager, warehouse operations manager.				
MANAGEMENT				
Bachelor of Business (Professional) with a major in Management [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Business with a major in Management [H]	60+	3 yrs FT/6 yrs PT		V or D
Bachelor of Business with a major in Management [O]	RC	3 yrs FT/6 yrs PT		D
Learn about the role of management in business and discover how key resources must be planned, monitored and controlled to meet strategic business objectives. Develop the skills to manage yourself, to organise and lead others, to make creative and well-informed decisions, and to evaluate current situations. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Project manager, event manager, change manager, administrator, customer service manager, planning manager.				
Diploma of Leadership and Management BSB51915 [O]	RC	6 mths FT 1–2 yrs PT	At least three years' relevant work experience	D
Gain comprehensive knowledge and skills in management. Develop entrepreneurial and innovative approaches to managing people, finances and projects. **Career opportunities:** Manager, team leader.				
MARKETING				
Bachelor of Business (Professional) with a major in Marketing [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Business with a major in Marketing [H]	60+	3 yrs FT/6 yrs PT		V or D
Bachelor of Business with a major in Marketing [O]	RC	3 yrs FT/6 yrs PT		D
Develop the advanced marketing and managerial skills needed to succeed in the industry. Learn about buyer behaviour, innovation and design, planning, branding, channel design, integrated marketing communication and market research. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Marketing manager, project manager, event manager, market research manager, public relations officer, advertising consultant.				
Diploma of Marketing and Communication BSB52415 [H]	RC	1 yr FT/2 yrs PT	Successful completion of prerequisite units from Certificate IV in Marketing	V or D
Develop sound theory, knowledge and practical experience in marketing in order to progress career prospects in marketing and communication management. **Career opportunities:** Marketing consultant, marketing officer, copywriter.				
PROJECT MANAGEMENT				
Diploma of Project Management BSB51415 [O]	RC	1 yr PT	At least two years' relevant work experience	D
Learn how to lead, plan and execute projects to strict deadlines and budgets with a practical, hands-on approach to learning. **Career opportunities:** Project manager, project coordinator.				

Business and Management

Course	ATAR	Duration	Prerequisites	Apply
REAL ESTATE				
Agent's Representative Course SS-AGENTS [H] [O] [W] Learn about the real estate industry and its functions, including listing, selling and managing residential and commercial properties for clients, as well as relevant legislation and documentation. **Career opportunities:** Real estate sales consultant, property manager, real estate auctioneer, real estate buyers' agent, real estate office administrator.	RC	4 wks PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	D
SPORTS MANAGEMENT				
Bachelor of Business with a major in Sports Management [O] Develop management skills for work in the dynamic sport and leisure industry. Learn how to manage community relationships and contribute to the sustainability of an organisation. **Career opportunities:** Sports administrator, corporate sponsorship director, head coach, general manager, brand manager, project manager.	RC	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	D
Diploma of Sports Development/Diploma of Leadership and Management SIS50612/BSB51915 [H and EV] NEW Become prepared for a career in sports leadership. Delivered in collaboration with Richmond Football Club, students gain skills in high-performance training and nutrition, personal organisation, coaching and leadership, budgeting, project management, people management, safety and compliance. **Career opportunities:** Program developer, talent development manager, sport development manager, leisure and recreational facility co-ordinator, sport and recreation community development officer.	RC	1 yr FT	Successful completion of Victorian Year 12 or equivalent, or relevant work experience	D

KEY **C** Croydon | **EV** External venue | **D** Direct | **FT** Full-time | **H** Hawthorn | **N/A** Not applicable | **O** Online | **PT** Part-time | **RC** Range of criteria | **V** VTAC | **W** Wantirna

WHY SWINBURNE?

Swinburne Design Factory Melbourne

Solve problems or improve products and services as part of a student team in the first 'living lab' dedicated to design in Australia.

Adobe Partners by Design

Swinburne is one of just three Australian universities to be a member of the Adobe Partners by Design program, a global network of art, design and film schools.

World renowned for design

Swinburne has been ranked 32 in the world for Art and Design by the 2016 QS World University Rankings by Subject.

Design

swinburne.edu.au/design

Design at a glance

- Branded Environments
- Communication and Graphic Design
- Digital Media Design
- Industrial Design
- Innovation and Design
- Interior Architecture and Design
- Photography and Visual Arts
- Product Design Engineering
- Visual Merchandising

Professional recognition

Our design courses are recognised by leading industry organisations. As a Swinburne student, you'll gain from recognition from and membership with the Australasian Interactive Media Industry Association, Australian Graphic Design Association and/or Design Institute of Australia.

Double degrees may provide additional opportunities for membership of industry organisations.

The main reason I chose Swinburne was because of its professional placements program. It's amazing working with people who share your passions and I felt right at home. While I was on a paid work placement it felt good knowing that Swinburne had my back.

Leinard

Studying digital media design
2016 Swinburne student ambassador

Preview your Design degree

Our standard three-year degrees comprise 24 units of study.

You'll complete core units, designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Many degrees also offer the flexibility to choose a second major – either from your area of study or from another discipline – as well as elective units. A Work Integrated Learning option, like a paid work placement or an industry study tour, is a great way to gain practical experience while earning credit towards your degree.

Enjoy more clarity, choices and flexibility in your studies at Swinburne

Sample degree structure: Bachelor of Design (two majors)

Year 1	Semester 1	Core	Core	Core	Core
	Semester 2	Core	Major 1	Major 1	Major 2
Year 2	Semester 1	Core	Core	Major 2	Major 2
	Semester 2	Core	Major 1	Major 2	Major 2
Year 3	Semester 1	Major 1	Major 1	Major 2	Major 2
	Semester 2	Major 1	Major 1		Major 2

Some four-year honours degrees offer highly specialised teaching. They feature extra core units designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Sample degree structure: Bachelor of Interior Architecture (Honours)

Year 1	Semester 1	Core	Core	Core	Core
	Semester 2	Core	Core	Core	Core
Year 2	Semester 1	Core	Core	Elective	Elective
	Semester 2	Core	Core	Elective	Elective
Year 3	Semester 1	Core	Core	Elective	Elective
	Semester 2	Core	Core	Elective	Elective
Year 4	Semester 1	Core		Core	
	Semester 2	Core		Core	

This sample structure can also be used as a guide for the Bachelor of Design (Communication Design) (Honours) and Bachelor of Industrial Design (Honours).

Course	ATAR	Duration	Prerequisites	Apply
BRANDED ENVIRONMENTS				
Bachelor of Design with a major in Branded Environments [H] Learn about the relationship between innovation, design, branding, technology, retail and exhibition design, and spatial design for human interaction. Gain the skills and knowledge needed to become an interior designer for commercial spaces. **Career opportunities:** Communications designer, communications researcher, exhibition designer, visual merchandiser, interior designer, set designer.	65+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts or Visual Communication Design	V or D
BUILDING DESIGN				
Advanced Diploma of Building Design (Architectural) 22268VIC [C] [H] Learn about building theory and practice to design and develop drawings for residential, industrial and commercial buildings. Develop specialist skills and knowledge in design, problem-solving, construction technology, computer-aided drafting and project administration. **Career opportunities:** Building designer, drafting technician.	RC	2 yrs FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience, or qualified tradesperson and practising building designer	V or D
COMMUNICATION DESIGN				
Bachelor of Design (Communication Design) (Honours) [H] Gain high-end strategic and conceptual thinking skills, informed by research, to help create innovative and refined visual design solutions. Be mentored by experts via industry-focused workshops and build strong networks through an industry placement, work in the Swinburne Design Factory or by participation in industry projects. **Professional placement:** This degree includes an industry placement. **Career opportunities:** Communications designer, web designer, UX designer, interaction designer, experience designer, design consultant.	90+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts or Visual Communication Design	V or D
Bachelor of Design with a major in Communication Design [H] **Bachelor of Design with a major in Communication Design [O]** Explore the communication imperative in a commercial environment and learn how to respond confidently to design problems. Explore an area of specialisation and produce a portfolio that demonstrates diverse idea generation and production skills. **Career opportunities:** Communications designer, web designer, UX designer, interaction designer, experience designer, design consultant.	65+ RC	3 yrs FT/6 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts or Visual Communication Design	V or D D
DESIGN				
Bachelor of Design [H] Designed for students wishing to study design, but who have not yet decided on their preferred field. Complete core units in first year that introduce different design fields of study. **Career opportunities:** Communications designer, exhibition designer, graphic designer, multimedia developer, advertising consultant, design consultant.	65+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts or Visual Communication Design	V or D
Bachelor of Design/Bachelor of Business [H] Gain the skills necessary to introduce elements of design into business-related studies and apply sound business principles to design practice to improve commercial outcomes. Choose from design majors: branded environments, communication design, digital media design. Professional accreditation: See Bachelor of Business (page 30). **Career opportunities:** Business consultant, Communications designer, graphic designer, multimedia developer, advertising consultant, design consultant.	65+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts or Visual Communication Design	V or D

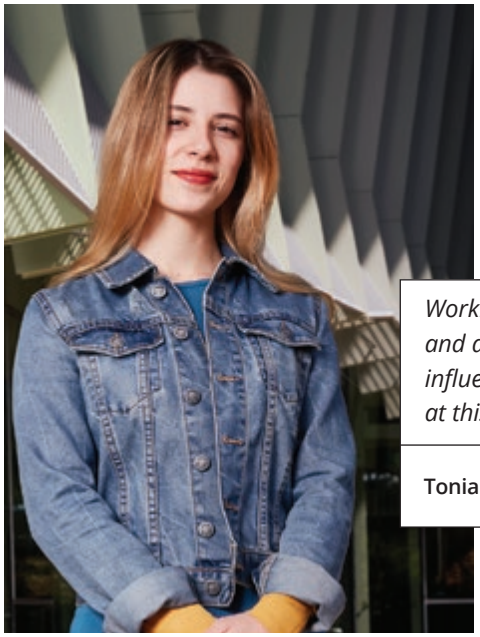
Design

Course	ATAR	Duration	Prerequisites	Apply
DESIGN (CONTINUED)				
Diploma of Design (UniLink) (8 months) [H] This higher education diploma provides an alternative pathway to the second year of a bachelor degree. The units are similar to those offered in the first year of a bachelor degree, but classes are smaller and students have more one-on-one time with teachers. Complete units in digital, interactive and 3D design. **Career opportunities:** Communications designer, graphic artist, graphic designer, industrial designer, interior designer, multimedia developer, web designer.	50+	8 mths FT 16 mths PT	Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 25 in English (EAL); and Units 3 and 4: a minimum study score of 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts, or Visual Communication Design	V or D
Certificate IV in Design CUA40715 [H] Develop and enhance skills in graphic design, interior design, product design and related design studies. Explore the historical and contextual basis for design. **Career opportunities:** Graphic artist, graphic designer.	RC	1 yr FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
DIGITAL MEDIA DESIGN				
Bachelor of Design with a major in Digital Media Design [H] Learn how to develop and deliver a range of digital media applications, including projects for web, digital film and television production, interactive digital media and handheld mobile devices. Gain skills in animation, 3D modelling, digital video, audio media and communication design for electronic media. **Career opportunities:** Web and interactive design, UX designer, app designer, mobile designer, visual effects designer, design consultant.	65+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts or Visual Communication Design	V or D
GRAPHIC DESIGN				
Advanced Diploma of Graphic Design CUA60315 [H] Gain an understanding of the specialised technical, creative and conceptual skills and knowledge needed to conceive, negotiate and realise design concepts for complex projects. Learn skills in both print and digital media, including advertising and promotion, art direction, branding, corporate identity, instructional design, typography, packaging, signage and web design. **Career opportunities:** Graphic designer.	RC	6 mths FT	Successful completion of Diploma of Graphic Design	D
Diploma of Graphic Design CUA50715 [H] Learn how to combine technical, creative and conceptual skills to meet design briefs and solve a range of visual communication problems. Assemble camera-ready and digital artwork for graphic reproduction and web-based output. **Career opportunities:** Graphic designer.	RC	1.5 yrs FT	Satisfactory completion of Victorian Year 12 or equivalent, or successful completion of Certificate IV in Design or equivalent, or relevant work experience. Applicants must present a folio of work.	V or D
INDUSTRIAL DESIGN				
Bachelor of Design (Industrial Design) (Honours) [H] Learn how to develop products that meet human needs and expectations, ranging from personal and household items to commercial and industrial equipment. Develop creative and technological aptitude through a user-centred design program supported by business studies, professional practice, consumer knowledge, sustainability and design ethics. **Career opportunities:** Industrial designer, product designer, usability designer, model maker, computer-aided designer, design consultant.	70+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts, or Visual Communication Design	V or D

Course	ATAR	Duration	Prerequisites	Apply
INNOVATION AND DESIGN				
Bachelor of Innovation and Design [H] Learn about the relationship between innovation, design, entrepreneurship and creativity. Gain an understanding of the principles and theories of design in a business and innovation management context. **Career opportunities:** Product development manager, product designer, business development manager, innovation manager, design consultant.	60+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
INTERIOR ARCHITECTURE				
Bachelor of Design (Interior Architecture) (Honours) [H] Learn about the environments in which we spend our lives and how they are formed and fabricated. Learn to capitalise on new technologies and materials in the construction of indoor and outdoor 3D spaces. **Career opportunities:** Interior designer, industrial designer, property designer, retail designer, product designer, design consultant, business strategist.	75+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts, or Visual Communication Design	V or D
INTERIOR DESIGN				
Diploma of Interior Design and Decoration MSF50213 [H] Learn how to design interior spaces in retail, domestic and exhibition spaces. Gain the skills to plan and create furniture, fittings, surface and colour schemes for a range of architectural contexts. **Career opportunities:** Interior designer.	RC	1.5 yrs FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
PHOTOGRAPHY AND VISUAL ARTS				
Bachelor of Design with a major in Photomedia [H] Learn photography skills that go far beyond the darkroom and collaborate with art directors, content developers and designers to create sophisticated campaigns, publications and digital products. Discover a range of conceptual and technical practices in photography and learn how to apply them to advertising, communication design, digital publishing, exhibition design, motion graphics and video. **Career opportunities**: Photographer, video and motion graphics specialist, advertising consultant, design consultant.	65+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts or Visual Communication Design	V or D
Diploma of Photography and Photo Imaging CUV50915 [H] Learn about the commercial, artistic and technical aspects of photography. Complete basic studies in business and gain the skills to start a photography business. **Career opportunities:** Photographer.	RC	1 yr FT	An extensive working knowledge of digital SLR cameras. Applicants who have completed Certificate IV in Photo Imaging or a similar visual arts qualification, or who have extensive vocational experience in photo imaging may be given preference.	V or D
Certificate IV in Photography and Photo Imaging CUA41115 [H] [W] Develop technical skills in digital photography, including lighting, image capture, enhancements, manipulation and output. Gain theoretical and historical knowledge of photography. Learn how to respond to a brief. **Career opportunities:** Photographer.	RC	1 yr FT	None	D
Diploma of Visual Arts CUA51115 [W] Study a progressive, contemporary fine arts course run by artists. Explore painting, sculpture, drawing, photography, printmaking, video and digital imaging. Gain a sound understanding of art theory and history, including conceptual and stylistic strategies of art practices since the 1960s. Learn how to critically analyse and synthesise information from a range of sources. **Career opportunities:** Visual artist.	RC	1 yr FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D

Design

Course	ATAR	Duration	Prerequisites	Apply
PRODUCT DESIGN				
Bachelor of Engineering (Honours) (Professional) with a major in Product Design [H]	85+	4.5 yrs FT/9 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V
Bachelor of Engineering (Honours) with a major in Product Design [H] This course combines studies in industrial design and engineering, linking the creativity and human-centred approach of industrial design with the academic rigour of engineering science, material and manufacturing process selection, project management and innovation. Develop skills needed to design and develop competitive products for Australian and international markets. Undertake at least 12 weeks of professional experience. This degree is professionally accredited by Engineers Australia. **Professional placement:** The Bachelor of Engineering (Honours) (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Industrial designer, industrial engineer, product designer, drafting technician, entrepreneur, design consultant.	75+	4 yrs FT/8 yrs PT		V or D
Diploma of Product Design 22221VIC [H] Learn how to design and develop products and product ranges from client brief to end product. Gain the skills and knowledge to use drawings, 3D models and computer designs to express ideas; use technology, production methods and materials relevant to the industry; meet deadlines; and work within budgets. **Career opportunities:** Product designer, industrial designer.	RC	2 yrs FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
VISUAL MERCHANDISING				
Diploma of Visual Merchandising SIR50212 [W] Learn about the visual merchandising industry, including the principles and elements of display, the development and design of language for product presentation, the design and construction of props, styling and working to an industry brief. **Career opportunities:** Retailer, visual merchandiser.	RC	1.5 yrs FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D



Working with experienced teachers and a network of inspiring peers is influential. You won't regret studying at this institution!

Tonia | **Studying visual arts**

KEY **C** Croydon | **EV** External venue | **D** Direct | **FT** Full-time | **H** Hawthorn | **N/A** Not applicable | **O** Online | **PT** Part-time | **RC** Range of criteria | **V** VTAC | **W** Wantirna

Anna Pogovelova – interior architecture

Jareth Kelaart – product design engineering

Phuong Nguyen – branded environments

Kevin Nguyen – communication design

Randy Njoto – communication design

Sarah Tee – photo imaging

Martin Whittle – industrial design

WHY SWINBURNE?

Problem-based learning approach

Gain problem-solving and critical-thinking skills by working through problems collaboratively. This approach ensures opportunities to apply your learning and receive feedback before beginning your practical placements.

School engagement opportunities

Take advantage of additional opportunities to engage with school-aged students through a wide range of projects and workshops.

Professional experience placements

All of our education degrees include school-based practical placements.

Education

swinburne.edu.au/education

Education at a glance

Discover innovative approaches to teaching and learning. Plus, gain a deeper understanding of social, ethical and contemporary issues associated with global education and classroom learning.

Choose from:

- Early Childhood Teaching
- Primary Teaching
- Secondary Teaching.

Professional recognition

Our Education degrees meet the academic requirements outlined by the Victorian Institute of Teaching (VIT). VIT recognition enables graduates to register as a teacher Australia-wide.

Double degrees may also provide opportunities for membership of leading industry organisations.

The subjects have been thoroughly engaging with interesting and relevant examples used. The excursions have been helpful to understand the different ways in which early learning centres and primary schools operate. I've also enjoyed building good friendships with fellow students.

Jacqui

Studying early childhood education and care

Preview your Education degree

For some professions you must have hands-on skills learnt in the setting of your future workplace. That's why relevant degrees include compulsory accreditation placements – to ensure you graduate with the necessary skill sets.

Sample degree structure: Bachelor of Education (Primary)

Year 1	Semester 1	Core	Core	Core	Core
	Semester 2	Core	Core	Core	Accreditation Placement
Year 2	Semester 1	Core	Core	Core	Core
	Semester 2	Core	Core	Core	Accreditation Placement
Year 3	Semester 1	Core	Core	Accreditation Placement	Elective
	Semester 2	Core	Core	Core	Core
Year 4	Semester 1	Core	Core	Core	Accreditation Placement
	Semester 2	Core	Elective	Elective	Elective

Course	ATAR	Duration	Prerequisites	Apply
EARLY CHILDHOOD				
Bachelor of Education (Early Childhood) [H] **Bachelor of Education (Early Childhood) [O]** Gain the skills needed to engage children through visual arts, music, literacy, mathematics and creative assessment. Learn how to respond to family diversity, children with additional needs and Indigenous and linguistically diverse children. This degree is professionally accredited by the Australian Children's Education and Care Quality Authority, and Victorian Institute of Teaching. **Career opportunities:** Child care director, child care worker, primary school teacher.	60+ RC	4 yrs FT/8 yrs PT 4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). Applicants require police and working with children checks.	V or D D
Diploma of Early Childhood Education and Care CHC50113 [H] [W] Designed for those who are interested in working in the children's services sector or who are already working in the field and are responsible for planning, implementing and managing programs in early childhood services. In most states this is the highest qualification required at director or service manager level for children's service centre-based care. **Career opportunities:** Child care worker, social worker.	RC	1.5 yrs FT 3 yrs PT	Satistactory completion of Victorian Year 12 or equivalent, or relevant work experience. Applicants require police and working with children checks and must be able to perform physical activities	V or D
Certificate III in Early Childhood Education and Care CHC30113 [H] [W] Gain the skills and expertise needed for a career with children aged six years and under. The course is the minimum entry qualification for those seeking work in child care. **Career opportunities:** Child care worker, social worker.	RC	18 wks FT 36 wks PT	Applicants require a Working With Children Check and must be able to perform physical activities	D

Education

Course	ATAR	Duration	Prerequisites	Apply
PRIMARY TEACHING				
Bachelor of Education (Primary) [H] **Bachelor of Education (Primary) [O]** Become equipped to be a primary school teacher who uses the latest technology and teaching techniques. Develop the skills to design engaging and effective learning experiences through group work and school-based practical placements. This degree is professionally accredited by the Victorian Institute of Teaching. **Career opportunities:** Primary school teacher.	60+ RC	4 yrs FT/8 yrs PT 4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). Applicants require police and working with children checks.	V or D D
SECONDARY TEACHING				
Bachelor of Education (Secondary) [H] Engage in innovative approaches to teaching and learning in a secondary school, as well as the ability to reflect on the social, ethical and professional expectations that the rise of technology brings to the classroom and the nature of learning. The degree combines general education studies, teaching methods and professional experience. This degree is professionally accredited by the Victorian Institute of Teaching. **Career opportunities:** Secondary school teacher.	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics. Applicants require police and working with children checks.	V or D
Bachelor of Education (Secondary)/Bachelor of Arts [H] Gain a teaching qualification with the opportunity to pursue interests in the humanities. Engage in innovative approaches to teaching and learning in a secondary school, as well as the ability to reflect on the social, ethical and professional expectations that the rise of technology brings to the classroom and the nature of learning. Professional accreditation: See Bachelor of Arts (page 18) and Bachelor of Education (Secondary). **Career opportunities:** Secondary school teacher.	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics. Applicants require police and working with children checks.	V or D
Bachelor of Education (Secondary)/Bachelor of Business [H] Gain a teaching qualification with the prospect of a business career. Engage in innovative approaches to teaching and learning in a secondary school, as well as the ability to reflect on the social, ethical and professional expectations that the rise of technology brings to the classroom and the nature of learning. Professional accreditation: See Bachelor of Business (page 30) and Bachelor of Education (Secondary). **Career opportunities:** Secondary school teacher.	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics. Applicants require police and working with children checks.	V or D
Bachelor of Education (Secondary)/Bachelor of Science [H] Gain a teaching qualification with the ability to teach science disciplines. Engage in innovative approaches to teaching and learning in a secondary school, as well as the ability to reflect on the social, ethical and professional expectations that the rise of technology brings to the classroom and the nature of learning. Professional accreditation: See Bachelor of Education (Secondary). **Career opportunities:** Secondary school teacher.	65+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics. Applicants require police and working with children checks.	V or D

WHY SWINBURNE?

World ranked in civil engineering

Swinburne has been ranked top 75 in the world for civil engineering by the 2016 Academic Ranking of World Universities.

Build and race an electric car

Help to design, build, market and race an electric race car.

Smart Structures Laboratory

Conduct large-scale testing of civil, mechanical, aerospace and mining engineering components.

Engineering

swinburne.edu.au/engineering

Engineering majors

- Biomedical
- Civil
- Construction
- Electrical and Electronic
- Mechanical
- Product Design
- Robotics and Mechatronics
- Software
- Telecommunications

Professional recognition

Our engineering courses are recognised by leading industry organisations. Graduates may be eligible for membership of a number of organisations relevant to their major area of study, including the Australasian College of Physical Scientists and Engineers in Medicine, Design Institute of Australia and Engineers Australia.

Double degrees may provide additional opportunities for membership of leading industry organisations.

Accredited Program
acs AUSTRALIAN COMPUTER SOCIETY

ENGINEERS AUSTRALIA

I wanted to make a career out of helping others but also wanted to stand out from the crowd. That's why I came to Swinburne! I had an invaluable experience during my paid placement at Draeger, an international leader in medical technology. Now, I'm starting Swinburne's first Biomedical Engineering Club and my journey's just getting better and better.

Natalie

Studying biomedical engineering
2016 Swinburne student ambassador

Preview your Engineering degree

Our four-year honours degrees offer highly specialised teaching. They feature core units designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Our Engineering degrees include compulsory accreditation placements – to provide you with at least 12 weeks of professional experience and hands-on skills learnt in the setting of your future workplace.

Sample degree structure: Bachelor of Engineering (Honours) (one major and electives)

Year 1	Semester 1	Core	Core	Core	Core	
	Semester 2	Core	Core	Core	Core	
Year 2	Semester 1	Core	Major 1	Major 1	Major 1	
	Semester 2	Major 1	Major 1	Major 1	Major 1	
Year 3	Semester 1	Core	Major 1	Major 1	Elective	
	Semester 2	Major 1	Major 1	Major 1	Elective	Accreditation Placement
Year 4	Semester 1	Core	Major 1	Major 1	Elective	
	Semester 2	Core	Major 1	Major 1	Elective	

Professional degrees offer a guaranteed 12-month, paid work placement. This means you'll receive invaluable full-time work experience and credit towards your degree.

Sample degree structure: Bachelor of Engineering (Honours) (Professional) (one major and electives)

Year 1	Semester 1	Core	Core	Core	Core
	Semester 2	Core	Core	Core	Core
Year 2	Semester 1	Major 1	Major 1	Major 1	Major 1
	Semester 2	Major 1	Major 1	Major 1	Major 1
Year 3	Semester 1	Core	Major 1	Major 1	Major 1
	Winter Term	Elective	Elective		
	Semester 2	Core	Major 1	Major 1	Major 1
Year 4	Semester 1	Professional Placement Co-Major		Professional Placement Co-Major	
	Semester 2	Professional Placement Co-Major		Professional Placement Co-Major	
Year 5	Semester 1	Major 1	Major 1	Core	Core

Course	ATAR	Duration	Prerequisites	Apply
BIOMEDICAL ENGINEERING				
Bachelor of Engineering (Honours) (Professional) with a major in Biomedical [H]	85+	4.5 yrs FT/9 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V
Bachelor of Engineering (Honours) with a major in Biomedical [H] Learn about the application of electrical, electronics and systems engineering in medicine and biology. Learn how to develop and use new technologies such as medical, instrumentation and prosthetic devices that can be used to advance and improve health care and quality of life. Undertake at least 12 weeks of professional experience. This degree is professionally accredited by Engineers Australia. **Professional placement:** The Bachelor of Engineering (Honours) (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Biomedical engineer, clinical engineer, medical device designer, medical electronics engineer.	75+	4 yrs FT/8 yrs PT		V or D
CIVIL ENGINEERING				
Bachelor of Engineering (Honours) (Professional) with a major in Civil [H]	85+	4.5 yrs FT/9 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V
Bachelor of Engineering (Honours) with a major in Civil [H] Gain technical expertise and management skills needed to plan, design, construct and maintain infrastructure such as buildings, bridges, dams, water supply systems, waste treatment systems, road and rail networks, airports and seaports. Undertake at least 12 weeks of professional experience. This degree is professionally accredited by Engineers Australia. **Professional placement:** The Bachelor of Engineering (Honours) (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Civil engineer, civil design engineer, structural engineer, environmental engineer.	75+	4 yrs FT/8 yrs PT		V or D
Advanced Diploma of Engineering Technology 22228VIC specialising in Civil Engineering [H] Gain a combination of technical skills and in-depth knowledge to be able to apply engineering and scientific principles when managing, designing or executing projects. **Career opportunities:** Research assistant, construction supervisor, laboratory technician, technical officer.	RC	2 yrs FT 4 yrs PT	Satisfactory completion of Victorian Year 12 with Units 1 and 2 Mathematics (any) or equivalent, or completion of a mechanical or fabrication trade certificate, or relevant work experience	V or D
COMPUTER SYSTEMS TECHNOLOGY				
Advanced Diploma of Computer Systems Technology ICA60515 [H] Gain the skills and knowledge needed to coordinate and administer the commissioning, installation and maintenance of a range of networks, enterprise servers and systems. **Career opportunities:** IT support professional, network administrator, software engineer, network security practitioner.	RC	1 yr FT 2 yrs PT	Successful completion of Certificate IV in Computer Systems Technology or demonstrated experience in senior network support roles	V or D
Certificate IV in Computer Systems Technology ICA41015 [H] Gain the knowledge and skills required to install and administer simple networks, servers, client desktop deployments, networking and robotics-related programming development. **Career opportunities:** IT support professional, network administrator, software engineer, network security practitioner.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
CONSTRUCTION				
Bachelor of Engineering (Honours) (Professional) with a major in Construction [H]	85+	4.5 yrs FT/9 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V
Bachelor of Engineering (Honours) with a major in Construction [H] Learn comprehensive theory and gain practical experience in construction engineering, project management and risk management to deliver large infrastructure projects such as buildings, bridges, road and rail systems, water supply systems, waste treatment systems, airports and seaports. Undertake at least 12 weeks of professional experience. **Professional placement:** The Bachelor of Engineering (Honours) (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Construction engineer, construction manager.	75+	4 yrs FT/8 yrs PT		V or D

Engineering

Course	ATAR	Duration	Prerequisites	Apply
CONSTRUCTION (CONTINUED)				
Advanced Diploma of Building Design (Architectural) 22268VIC [C] [H] Learn about building theory and practice to design and develop drawings for residential, industrial and commercial buildings. Develop specialist skills and knowledge in design, problem-solving, construction technology, computer-aided drafting and project administration. This course meets the academic requirement for application to the Victorian Building Authority to become a registered building design practitioner. **Career opportunities:** Building designer and planner, drafting technician.	RC	2 yrs FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience, or qualified tradesperson and practising building designer	V or D
Diploma of Building and Construction (Building) CPC50210 [H] Learn about building theory and practice related to managing and supervising the construction of residential, industrial and commercial buildings. Develop skills and knowledge in reading plans, estimating, scheduling, construction technology, site supervision, surveying, contracts and business management. This course meets the academic requirement for application to the Victorian Building Authority to become a registered building practitioner. **Career opportunities:** Engineering officer.	RC	1.5 yrs FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience, or qualified tradesperson and practising building supervisor; applicants may be required to attend an interview	V or D
Certificate IV in Building and Construction (Building) CPC40110 [C] [H] Learn the theory and practice needed to construct residential building projects. Gain skills and knowledge to read plans, work safely, estimate, schedule, prepare a tender and supervise construction works. **Career opportunities:** Engineering officer.	RC	5 mths PT	Relevant construction industry experience, or undertaking an apprenticeship in the building industry	D
ELECTRICAL AND ELECTRONIC				
Bachelor of Engineering (Honours) (Professional) with a major in Electrical and Electronic [H]	85+	4.5 yrs FT/9 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V
Bachelor of Engineering (Honours) with a major in Electrical and Electronic [H] Gain technical expertise in power system design, electronics, control systems, signal processing and embedded systems. Learn how to apply skills and knowledge in the design, construction, operation and maintenance of electronics and electrical energy infrastructure. Undertake at least 12 weeks of professional experience. This degree is professionally accredited by Engineers Australia. **Professional placement:** The Bachelor of Engineering (Honours) (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Electrical engineer, electronics engineer, communications engineer, power engineer, design engineer, embedded software engineer.	75+	4 yrs FT/8 yrs PT		V or D
Advanced Diploma of Electronics and Communications Engineering UEE60211 [H] Learn about digital technology, gate array technologies and the application of microprocessor-controlled circuitry, communications and analogue electronics. Learn how to design, commission, test, evaluate and diagnose faults in advanced electronic systems and associated apparatus. **Career opportunities:** Technical officer, systems technician.	RC	2 yrs FT 4 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
Advanced Diploma of Engineering Technology – Electrical UEE62111 [H] Gain the necessary skills and knowledge to evaluate, design, update and implement industrial automation systems to a technical and pre-degree level. **Career opportunities:** Technical officer, systems technician.	RC	2 yrs FT 4 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
Certificate III in Electronics and Communications UEE30911 [H] Gain a background in electronics, with an emphasis on digital technology, gate array technologies and the application of microcontrollers, communications and analogue electronics. **Career opportunities:** Technical officer, systems technician.	RC	1 yr FT	Satisfactory completion of Victorian Year 11 or equivalent	D

Course	ATAR	Duration	Prerequisites	Apply
ENGINEERING				
Bachelor of Engineering (Honours) (Professional) [H] **Bachelor of Engineering (Honours) [H]** Complete core units in first year that introduce different engineering fields of study. Choose from majors: biomedical, civil, construction, electrical and electronic, mechanical, product design, robotics and mechatronics, software and telecommunications. Undertake at least 12 weeks of professional experience. The majors in biomedical, civil, electrical and electronic, product design, and robotics and mechatronics are professionally accredited by Engineers Australia. The majors in software and telecommunications are professionally accredited by the Australia Computer Society and Engineers Australia. **Professional placement:** The Bachelor of Engineering (Honours) (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Networking engineer, electronics designer, manufacturing specialist, communications engineer, civil infrastructure engineer, construction engineer.	85+ 75+	4.5 yrs FT/9 yrs PT 4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V V or D
Bachelor of Engineering Practice (Honours) [H] NEW Discover a revolutionary project-based curriculum, co-created and co-delivered by industry professionals. Gain practical, professional experience and a work-ready skill set. Undertake real-world projects in collaborative teams that mimic professional environments in a departure from traditional lecture and tutorial style learning. **Career opportunities:** Civil engineer, product design engineer, mechanical engineer, robotics and mechatronics engineer, electronics and communications engineer, software engineer.	RC	4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematics (any)	V or D
Bachelor of Engineering (Honours)/Bachelor of Business [H] Combine expertise in an engineering field of your choice with the creative thinking and behaviours needed to become innovative in business practice. Complete core units in your first year to assist in selecting from a wide range of majors. Undertake at least 12 weeks of professional experience in engineering. Professional accreditation: See Bachelor of Business (page 30) and Bachelor of Engineering (Honours). **Career opportunities:** Networking engineer, electronics designer, manufacturing specialist, civil infrastructure engineer, construction engineer, project manager, engineering consultant.	75+	5 yrs FT/10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V or D
Bachelor of Engineering (Honours)/Bachelor of Computer Science [H] Combine technical expertise in an engineering field of your choice with skills in software development or online security. Complete core units in your first year to assist in selecting from a wide range of majors. Undertake at least 12 weeks of professional experience in engineering. Professional accreditation: See Bachelor of Computer Science (page 74) and Bachelor of Engineering (Honours). **Career opportunities:** Software developer, design engineer, cybersecurity consultant, systems analyst, network administrator.	75+	5 yrs FT/10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V or D
Bachelor of Engineering (Honours)/Bachelor of Innovation and Design [H] Obtain theoretical and practical engineering knowledge by participating in workshops and industry projects. Undertake at least 12 weeks of professional experience in engineering. Gain an understanding of the principles and theories of design in a business and innovation management context. Learn about the relationship between innovation, design, entrepreneurship and creativity. Professional accreditation: See Bachelor of Engineering (Honours). **Career opportunities:** Electronics designer, manufacturing specialist, civil infrastructure consultant, product development manager, design consultant, business development manager, innovation manager.	75+	5 yrs FT/10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V or D
Bachelor of Engineering (Honours)/Bachelor of Science [H] Obtain theoretical and practical engineering knowledge by participating in workshops and industry projects. Undertake at least 12 weeks of professional experience in engineering. Gain the skills and knowledge required to work in a range of professional scientific environments. Professional accreditation: See Bachelor of Engineering (Honours). **Career opportunities:** Communications engineer, civil infrastructure engineer, biologist, industrial chemist, food technologist, environmental scientist.	75+	5 yrs FT/10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V or D

Engineering

Course	ATAR	Duration	Prerequisites	Apply
ENGINEERING (CONTINUED)				
Bachelor of Laws/Bachelor of Engineering (Honours) [H] Learn about commercial law with emphasis on intellectual property law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Obtain theoretical and practical engineering knowledge by participating in workshops and industry projects. Undertake at least 12 weeks of professional experience in law and engineering. Professional accreditation: See Bachelor of Engineering (Honours) and Bachelor of Laws (page 81). **Career opportunities:** Solicitor, lawyer, legal adviser, corporate counsellor, manager, compliance and regulation manager, project manager.	90+	6.5 yrs FT/13 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V or D
Associate Degree of Engineering [H] This course is a broad-based point of entry into employment as an associate engineer and offers the chance to move into study at undergraduate level. Learn about civil engineering, electrical engineering, engineering management and mechanical engineering. **Career opportunities:** Para-professional engineer, engineering officer, associate engineer.	50+	2 yrs FT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
Diploma of Engineering (UniLink) (8 months) [H] This higher education diploma provides an alternative pathway to the second year of a bachelor degree. Complete units in electronic systems, energy and motion, engineering mathematics, materials and processes, mechanics of structures, digital and data systems, engineering, design and innovation. **Career opportunities:** Para-professional engineer, engineering officer.	50+	8 mths FT 16 mths PT	Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 25 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V or D
Diploma of Applied Technologies [H] NEW Develop technical engineering and information technology skills. Learn about the Internet of Things, cloud computing, advanced algorithms, advanced manufacturing practices, automation and robotics, and smart sensor and cyber physical systems. Undertake paid employment at a global engineering company. **Career opportunities:** Service technician, engineering technician, site installation technician, mechatronic technologist.	RC	1 yr FT 6 mths PT	Units 3 and 4: a minimum study schore of 20 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	D
MECHANICAL				
Bachelor of Engineering (Honours) (Professional) with a major in Mechanical [H] **Bachelor of Engineering (Honours) with a major in Mechanical [H]** Learn the core concepts of mechanics, kinematics, thermodynamics, fluid mechanics and energy. Go beyond the classroom and participate in industry projects and practical workshops. Undertake at least 12 weeks of professional experience. This degree is professionally accredited by Engineers Australia. **Professional placement:** The Bachelor of Engineering (Honours) (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Mechanical engineer, mechanical project engineer, design engineer, project and technology manager, engineering project manager.	85+ 75+	4.5 yrs FT/9 yrs PT 4 yrs FT/8 yrs PT	Units 3 and 4 – a study score of at least 30 in English (EAL) or at least 25 in any other English, and a study score of at least 20 in Mathematical Methods	V V or D
Advanced Diploma of Engineering Technology 22228VIC specialising in Mechanical Engineering [H] Gain a combination of technical skills and in-depth knowledge to be able to apply engineering and scientific principles when managing, designing or executing projects. **Career opportunities:** Manufacturing and assembly plant manager, mechanical maintenance officer.	RC	2 yrs FT 4 yrs PT	Satisfactory completion of Victorian Year 12 with Units 1 and 2 Mathematics (any) or equivalent, or completion of a mechanical or fabrication trade certificate, or relevant work experience	V or D
Certificate IV in Engineering MEM40105 with streams in CNC Machining, Maintenance Fluid Power and Welding [W] Develop skills to advance to positions of responsibility in manufacturing industries. Select one specialisation from computer numerical control (CNC) machining, maintenance fluid power or welding. **Career opportunities:** Advanced mechanical maintenance technician, advanced toolmaker, fluid power systems technician.	RC	2 yrs PT	Successful completion of a welding or fitting and machining apprenticeship, or Certificate III in Engineering, or working in a mechanically related trade	D

Course	ATAR	Duration	Prerequisites	Apply
PRODUCT DESIGN ENGINEERING				
Bachelor of Engineering (Honours) (Professional) with a major in Product Design [H]	85+	4.5 yrs FT/9 yrs PT	Units 3 and 4 – a study score of at least 30 in English (EAL) or at least 25 in any other English, and a study score of at least 20 in Mathematical Methods	V
Bachelor of Engineering (Honours) with a major in Product Design [H]	75+	4 yrs FT/8 yrs PT		V or D
This course combines studies in industrial design and engineering, linking the creativity and human-centred approach of industrial design with the academic rigour of engineering science, material and manufacturing process selection, project management and innovation. Develop skills needed to design and develop competitive products for Australian and international markets. Undertake at least 12 weeks of professional experience. This degree is professionally accredited by Engineers Australia. **Professional placement:** The Bachelor of Engineering (Honours) (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Industrial designer, industrial engineer, product designer, drafting technician, entrepreneur, design consultant.				
ROBOTICS AND MECHATRONICS				
Bachelor of Engineering (Honours) (Professional) with a major in Robotics and Mechatronics [H]	85+	4.5 yrs FT/9 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V
Bachelor of Engineering (Honours) with a major in Robotics and Mechatronics [H]	75+	4 yrs FT/8 yrs PT		V or D
This course integrates three traditional engineering disciplines – mechanical, electronics and software. Complete units in computer-aided engineering, control systems, electronics, machine dynamics and design, mechatronics systems design and development, programming, project management and structural mechanics. Undertake at least 12 weeks of professional experience. This degree is professionally accredited by Engineers Australia. **Professional placement:** The Bachelor of Engineering (Honours) (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Robotics and mechatronics engineer, control systems engineer, factory automation adviser, robotics developer.				
Advanced Diploma of Engineering Technology 22228VIC specialising in Robotics and Mechatronics [H]	RC	2 yrs FT 4 yrs PT	Satisfactory completion of Victorian Year 12 with Units 1 and 2 Mathematics (any) or equivalent, or completion of a mechanical or fabrication trade certificate, or relevant work experience	V or D
Gain a combination of technical skills and in-depth knowledge to be able to apply engineering and scientific principles when managing, designing or executing projects. **Career opportunities:** Technical officer, systems technician, drafting technician, production supervisor.				
SOFTWARE ENGINEERING				
Bachelor of Engineering (Honours) (Professional) with a major in Software [H]	85+	4.5 yrs FT/9 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V
Bachelor of Engineering (Honours) with a major in Software [H]	75+	4 yrs FT/8 yrs PT		V or D
Learn advanced software engineering with an emphasis on teamwork, problem-solving and practical software engineering skills, including quality assurance, project management and industry-standard development techniques and tools. Undertake at least 12 weeks of professional experience. This degree is professionally accredited by the Australian Computer Society and Engineers Australia. **Professional placement:** The Bachelor of Engineering (Honours) (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Software engineer, software systems developer, software modeller, project and technology manager.				
TELECOMMUNICATIONS				
Bachelor of Engineering (Honours) (Professional) with a major in Telecommunications [H]	85+	4.5 yrs FT/9 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V
Bachelor of Engineering (Honours) with a major in Telecommunications [H]	75+	4 yrs FT/8 yrs PT		V or D
Gain an in-depth understanding of the technology of the internet and the international telecommunications industry. Learn about mobile communication systems. Develop skills in radio frequency telecommunications with specialisation in wireless secure communications, digital and analogue electronics, software programming and mathematics. Undertake at least 12 weeks of professional experience. This degree is professionally accredited by the Australian Computer Society and Engineers Australia. **Professional placement:** The Bachelor of Engineering (Honours) (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Network engineer, telecommunication network designer, telecommunication network developer, network architect, telecommunications engineer.				

WHY SWINBURNE?

Opportunities to work alongside industry

Swinburne students have been participating in the Melbourne International Flower & Garden Show for more than a decade.

Use industry-standard equipment and technology

The horticulture complex at our Wantirna campus features glass and hydroponic houses, specialist landscape training equipment, and a registered nursery and production area.

Environment and Sustainability

swinburne.edu.au/environment

Environment and Sustainability degrees at a glance

Bachelor of Arts with a major in Environmental Sustainability

Examine the causes and extent of ecological destruction, and the transformations needed to affect change. We place an emphasis on issues including climate change, forest devastation and resource depletion.

Bachelor of Science with a major in Environmental Science

Explore how the scientific principles of sustainable development help to solve ecological issues. We provide the scientific skills you need to understand and improve sustainable systems.

Professional recognition

Our courses are recognised by leading industry organisations. Graduates may be eligible for membership of a number of organisations relevant to their major area of study, including the Australian Institute of Landscape Designers and Managers.

Swinburne student Mahshid Malekazary's 'Symphony of Life' garden at the 2016 Melbourne International Flower & Garden Show

Student work gallery

Visit **www.swinburne.edu.au/environment** to check out more student gardens from the 2016 Melbourne International Flower & Garden Show.

Course	ATAR	Duration	Prerequisites	Apply
CONSERVATION AND LAND MANAGEMENT				
Diploma of Conservation and Land Management AHC51116 [W] Gain a broad knowledge of environmental science and develop management strategies for the sustainable use of our resources. Learn about surveying fauna and flora, waterway testing and restoration, cultural resource management, ecological fire management, erosion and sediment control, project management and community engagement. **Career opportunities:** Conservationist, park ranger, fire fighter.	RC	1.5 yrs FT 2 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, relevant work experience. It is recommended that applicants have completed at least one VCE unit in chemistry, biology or mathematics.	V or D
Certificate III in Conservation and Land Management AHC31416 [W] Get skills and knowledge relevant to the conservation and land management industry. Participate in industry-focused field-based training to gain skills for outdoor work at trade level. **Career opportunities:** Conservationist, park ranger, fire fighter.	RC	1.5 yrs PT	None	D
ENVIRONMENTAL SCIENCE				
Bachelor of Science (Professional) with a major in Environmental Science [H] **Bachelor of Science with a major in Environmental Science [H]** Learn about the relationship between local, global, social and ecological issues and the responsibility of the different groups involved in sustainability. Gain scientific skills, such as chemistry, biology and microbiology, to address environmental sustainability in the future. **Professional placement:** The Bachelor of Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Environmental sustainability scientist, sustainability analyst, water quality expert, plant and animal breeder.	80+ 65+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
ENVIRONMENTAL SUSTAINABILITY				
Bachelor of Arts (Professional) with a major in Environmental Sustainability [H] **Bachelor of Arts with a major in Environmental Sustainability [H]** Examine the causes and extent of ecological destruction and the transformations required to enable sustainable economies. Address issues such as climate change; the destruction of forests, arable land and oceanic fisheries; resource depletion; fossil fuel and motor vehicle dependence; and threats to social wellbeing. **Professional placement:** The Bachelor of Arts (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Environmental officer, sustainability policy adviser, sustainability engagement coordinator, environmental consultant.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
HORTICULTURE AND LANDSCAPE				
Diploma of Horticulture AHC50416 [W] Learn about plant nutrition, plant health, propagation and recognition of plants, landscape design, products and services, and business management and administration. **Career opportunities:** Nursery manager, landscape designer, parks and gardens manager, horticultural consultant, landscaper, garden centre operator.	RC	2 yrs FT 4 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
Diploma of Landscape Design AHC50616 [W] Combine visual and creative skills with practical and technical aspects of landscape, permaculture, business and planting design. This course is for those who seek a career as a landscape designer or those who are involved in a horticulture or landscape business and wish to upgrade their professional skills and knowledge. **Career opportunities:** Landscape designer.	RC	1.5 yrs FT 3 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D

WHY SWINBURNE?

Attend the world's best film school

Swinburne is 'the finest film/video production school in the world' according to Hunter Todd, Chairman and Founding Director of WorldFest-Houston International Film Festival.

Use cutting-edge production equipment

Our students have access to state-of-the-art workstations; a purpose-built green screen room; interactive pen displays; high-end still, video and film cameras; and render farms.

International recognition

Swinburne is a member of the International Association of Film and Television Schools (CILECT), the international peak body for film schools.

Film and Television

swinburne.edu.au/film

Swinburne and Lido Cinemas

Want to check out some of our graduates' work on the big screen? Swinburne has partnered with Lido Cinemas to launch the Swinburne Retrospective Alumni Film Series. A different alumni film will be screened each month at Lido followed by a Q&A with the filmmaker.

Award-winning students

Swinburne students and graduates have been recognised once again at the WorldFest-Houston International Film Festival. In 2016 our talented filmmakers took home nine awards.

Professional recognition

Our film and television courses are recognised by leading industry organisations. Graduates may be eligible for membership of a number of organisations relevant to their major area of study, including the Australian Cinematographers Society, Australian Graphic Designers Association, Australian Screen Editors Guild, Design Institute of Australia, Game Developers' Association of Australia, Melbourne Art Directors Club, Screen Producers Association of Australia and Screen Services Association of Victoria.

Student work showcase

Visit **www.swinburne.edu.au/film** to watch the trailers for films produced by our alumni.

Preview your Film and Television degree

Some four-year honours degrees offer highly specialised teaching. They feature extra core units designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Sample degree structure: Bachelor of Film and Television (Honours)

Year 1	Semester 1	Core	Core	Core	Core
	Semester 2	Core	Core	Core	Core
Year 2	Semester 1	Core	Core	Core	Elective
	Semester 2	Core	Core	Elective	Elective
Year 3	Semester 1	Core	Core	Elective	Elective
	Semester 2	Core	Core	Core	Elective
Year 4	Semester 1	Core	Core		Elective
	Semester 2	Core	Core		Elective

Our standard three-year degrees comprise 24 units of study.

You'll complete core units designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Many degrees also offer the flexibility to choose a second major – either from your area of study or from another discipline – as well as elective units. A Work Integrated Learning option, like a paid work placement or an industry study tour, is a great way to gain practical experience while earning credit towards your degree.

Enjoy more clarity, choices and flexibility in your studies at Swinburne.

Sample degree structure: Bachelor of Screen Production

Year 1	Semester 1	Core	Core	Co-Major	Co-Major
	Semester 2	Core	Core	Co-Major	Elective
Year 2	Semester 1	Core	Core	Co-Major	Elective
	Semester 2	Core	Core	Co-Major	Elective
Year 3	Semester 1	Core	Core	Co-Major	Co-Major
	Semester 2	Core		Co-Major	Elective

Film and Television

Course	ATAR	Duration	Prerequisites	Apply
ANIMATION				
Bachelor of Animation [H] Gain a broad understanding of animation through the practice of animation techniques. Learn about film, television and animation history and theory; and the development of narrative structures as applied to animation. **Career opportunities:** 2D and 3D animators, stop motion animator, director, producer, screen writer, editor.	65+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Advanced Diploma of Screen and Media CUA60615 specialising in Animation [H] Gain a range of skills in creative and technical applications of motion graphics and animation. Learn about screen and media processes. Learn pre-visualisation and story boarding techniques, and production processes for animation, including 2D and 3D animation and special effects. **Career opportunities:** Animator, visual effects designer, digital artist, production coordinator, motion effects developer, 2D animator, 3D animator.	RC	1 yr FT	Successful completion of Diploma in Screen and Media (specialising in Animation) or equivalent, or relevant experience	V or D
Diploma of Screen and Media CUA51015 specialising in Animation [H] Engage in a dynamic, creative and technical approach to the production of animation content for the screen and media industries. Learn pre-visualisation and story boarding techniques, and production processes for animation, including 2D and 3D animation and special effects. **Career opportunities:** Animator, visual effects designer, digital artist, production coordinator, motion effects developer, 2D animator, 3D animator.	RC	1 yr FT	Satisfactory completion of Victorian Year 12 or equivalent or relevant work experience	V or D
FILM AND SCREEN PRODUCTION				
Bachelor of Film and Television (Honours) [H] Gain the essential creative skills, technical knowledge and theory to make high-quality cinema, television and digital media productions. Collaborate to make films through research, screenwriting, direction, project management and production skills such as cinematography, sound editing and visual effects. **Career opportunities:** Scriptwriter, director, cinematographer, editor, producer, post production manager.	90+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Screen Production [H] Gain an understanding of how technological shifts are driving changes across a broad range of established and emerging media industries. Learn the digital literacy and media production skills required for multiple broadcast platforms including smartphones, networked environments and social media applications. **Career opportunities:** Digital media producer, digital sound production, social media specialist, digital project manager, digital media consultant.	65+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Advanced Diploma of Screen and Media CUA60615 specialising in Film and Television [H] Gain an in-depth knowledge of the filmmaking production process and its related technical aspects of camera operation, sound recording, non-linear editing, script development and interpretation, and project management. **Career opportunities:** Producer, director, cinematographer, scriptwriter, editor, visual effects artist.	RC	1 yr FT	Successful completion of Diploma in Screen and Media (specialising in Film and Television) or equivalent, or relevant experience	V or D
Diploma of Screen and Media CUA51015 specialising in Film and Television [H] Gain comprehensive technical and theoretical knowledge of the filmmaking process. Engage in a range of specialised technical and managerial competencies to plan and produce high-end content for the screen and media industries. **Career opportunities:** Producer, production manager, scriptwriter, camera assistant, director of photography, lighting assistant, editor, visual effects artist.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent or relevant work experience. Applicants must present a folio of work.	V or D
SCREEN AND MEDIA				
Certificate IV in Screen and Media CUA41215 [H] Gain foundation skills and knowledge to pursue employment and/or further training in animation, visual effects, digital art, radio production and presentation, and film and television production. **Career opportunities:** Technical assistant, production assistant.	RC	1 yr FT	Satisfactory completion of Victorian Year 12 or equivalent or relevant work experience	V or D

KEY **C** Croydon | **EV** External venue | **D** Direct | **FT** Full-time | **H** Hawthorn | **N/A** Not applicable | **O** Online | **PT** Part-time | **RC** Range of criteria | **V** VTAC | **W** Wantirna

WHY SWINBURNE?

Your game at PAX!

Final-year students design and create games as part of interdisciplinary teams – then we showcase them at PAX where everyone can play.

Swinburne Games Lab

Showcasing student work, the Games Lab has partnered with local Lido Cinemas to feature a student-produced game on the big screen every fortnight.

Animation studio

Gain access to state-of-the-art animation facilities, including dedicated computer and stop-motion studios and the latest technology, to help you create amazing films.

Games and Animation

swinburne.edu.au/games

Games and Animation at a glance

- Animation
- Digital and Interactive Games
- Digital Media Design
- Digital Media Technologies
- Games and Interactivity
- Games Development

Professional recognition

Our games and animation courses are recognised by leading industry organisations. As a Swinburne student, you'll gain recognition from and membership with the Games Developers' Association of Australia and the Australasian Interactive Media Industry Association.

Our computer science degrees are professionally accredited by the Australian Computer Society.

Accredited Program
acs AUSTRALIAN COMPUTER SOCIETY

I completed a work placement as a software engineer at ANCA. Not only did the experience greatly improve my technical programming skills, but it taught me how to work as part of a successful development team and what it's like to work in industry. It also reaffirmed my choice of career path.

Darcy

Studying games and interactivity, and computer science

Head to **www.swinburne.edu.au/games** to read more about Darcy's experience at Swinburne.

Preview your Games and Animation degree

Our standard three-year degrees comprise 24 units of study.

You'll complete core units designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Many degrees also offer the flexibility to choose a second major – either from your area of study or from another discipline – as well as elective units. A Work Integrated Learning option, like a paid work placement or an industry study tour, is a great way to gain practical experience while earning credit towards your degree.

Enjoy more clarity, choices and flexibility in your studies at Swinburne.

Sample degree structure: Bachelor of Games and Interactivity (one major and electives)

Year 1	Semester 1	Core	Core	Major 1	Major 1
	Semester 2	Core	Core	Major 1	Major 1
Year 2	Semester 1	Core	Core	Major 1	Elective
	Semester 2	Core	Core	Major 1	Elective
Year 3	Semester 1	Core	Core	Major 1	Elective
	Semester 2	Core	Core	Major 1	Elective

Professional degrees offer a guaranteed 12-month, paid work placement. This means you'll receive invaluable full-time work experience and credit towards your degree.

Sample degree structure: Bachelor of Games and Interactivity (Professional) (one major and electives)

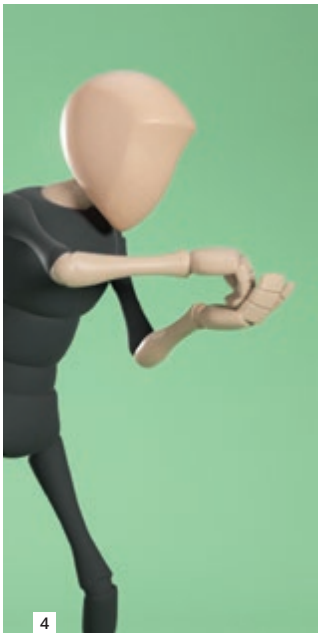
Year 1	Semester 1	Core	Core	Major 1	Major 1
	Semester 2	Core	Core	Major 1	Major 1
Year 2	Semester 1	Core	Core	Major 1	Elective
	Winter Term	Core	Major 1		
	Semester 2	Core	Core	Major 1	Elective
Year 3	Semester 1	Professional Placement Co-Major		Professional Placement Co-Major	
	Semester 2	Professional Placement Co-Major		Professional Placement Co-Major	
Year 4	Semester 1	Core	Core	Core	Major 1

Course	ATAR	Duration	Prerequisites	Apply
ANIMATION				
Bachelor of Animation [H] Gain a broad understanding of animation through the practice of animation techniques. Learn about film, television and animation history and theory; and the development of narrative structures as applied to animation. **Career opportunities:** Cinematographer, editor, 2D and 3D animators, stop motion animator, director, producer, screen writer.	65+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Advanced Diploma of Screen and Media CUA60615 specialising in Animation [H] Gain a range of skills in creative and technical applications of motion graphics and animation. Learn about screen and media processes. Learn pre-visualisation and story boarding techniques, and production processes for animation, including 2D and 3D animation and special effects. **Career opportunities:** Animator, visual effects designer, digital artist, production coordinator, motion effects developer, 2D animator, 3D animator.	RC	1 yr FT	Successful completion of Diploma in Screen and Media (specialising in Animation) or equivalent, or relevant experience	V or D
Diploma of Screen and Media CUA51015 specialising in Animation [H] Engage in a dynamic, creative and technical approach to the production of animation content for the screen and media industries. Learn pre-visualisation and story boarding techniques, and production processes for animation, including 2D and 3D animation and special effects. **Career opportunities:** Animator, visual effects designer, digital artist, production coordinator, motion effects developer, 2D animator, 3D animator.	RC	1 yr FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
Certificate IV in Screen and Media CUA41215 [H] Gain foundation skills and knowledge to pursue employment and/or further training in animation, visual effects, digital art, radio production and presentation, and film and television production. **Career opportunities:** Technical assistant, production assistant.	RC	1 yr FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
DIGITAL AND INTERACTIVE GAMES				
Diploma of Digital and Interactive Games ICT50215 [H] Gain the knowledge and skills to create 3D characters, models and animations. Learn about C# programming, mobile development, particle effects and object oriented programming. Undertake a major project to develop a game from design through to completion using the Unity game engine. **Career opportunities:** Multimedia designer, multimedia producer, 2D animator, 3D animator, texture artist, games developer.	RC	1 yr FT 2 yrs PT	Successful completion of Certificate IV in Digital and Interactive Games or equivalent, or relevant experience	V or D
Diploma of Digital and Interactive Games (Lightmare project) ICT50215 [H] Offered in conjunction with games developer Lightmare Studios. Specialise in digital art or technical art. Gain the knowledge and skills to create 3D characters, models and animations. Learn about C# programming, mobile development, particle effects and object oriented programming. Undertake a major project to develop a game from design through to completion using the Unity game engine. **Career opportunities:** Multimedia designer, multimedia producer, 2D animator, 3D animator, texture artist, games developer.	RC	1 yr FT	Successful completion of Certificate IV in Digital and Interactive Games or equivalent, or relevant experience. Applicants must present a folio of work and attend an interview.	V or D
Certificate IV in Digital and Interactive Games ICT40915 [H] Learn about games design, game development using the Unity game engine, programming, 3D modelling and animation, and project management. **Career opportunities:** Multimedia designer, multimedia producer, 2D animator, 3D animator, texture artist, games developer.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
DIGITAL MEDIA DESIGN				
Bachelor of Design with a major in Digital Media Design [H] Learn how to develop and deliver a range of digital media applications, including projects for web, digital film and television production, interactive digital media and handheld mobile devices. Gain skills in animation, 3D modelling, digital video, audio media and communication design for electronic media. **Career opportunities:** Web and interactive design, UX designer, app designer, mobile designer, visual effects designer, design consultant.	65+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts or Visual Communication Design	V or D

Games and Animation

Course	ATAR	Duration	Prerequisites	Apply
DIGITAL MEDIA TECHNOLOGIES				
Diploma of Digital Media Technologies ICT50915 [H] Gain a broad range of skills required for entry into the information technology and multimedia industries. Learn about digital photography, visual design, web design, web programming, database integration and multimedia project management. **Career opportunities:** Digital media designer, digital media developer, digital media specialist, digital media producer, web developer.	RC	1 yr FT 2 yrs PT	Successful completion of Certificate IV in Digital Media Technologies or equivalent, or relevant experience	V or D
Certificate IV in Information Technology ICT40115 specialising in Digital Media Technologies [H] Develop skills in web design, responsive web programming (HTML5, CSS3, JavaScript and jQuery), digital imaging, visual design, 2D animation and motion graphics. Become familiar with a range of Adobe Creative Cloud applications. **Career opportunities:** Web designer, web developer, software developer.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
GAMES AND INTERACTIVITY				
Bachelor of Games and Interactivity (Professional) [H] **Bachelor of Games and Interactivity [H]** Learn about the role of games in contemporary society and how games are developing as a cultural industry. Undertake a range of projects focusing on analog and digital games, and develop practical and creative research and communication skills in a games lab environment. Become equipped with the skills needed to work in the rapidly evolving games industry as well as the broader digital media sector. Also see Arts and Social Sciences (page 16) and Media and Communications (page 83). **Professional placement:** The Bachelor of Games and Interactivity (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Game developer, media producer, multimedia developer, video games developer.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
Bachelor of Games and Interactivity/Bachelor of Computer Science [H] Gain a broad range of multimedia production skills, including web, animation and digital video/audio, combined with extensive skills in software engineering and development required to develop games and interactive applications. Learn how to apply theoretical and practical knowledge to the development of 2D and 3D games. Gain multimedia and information technology skills to prepare for a career in the games industry as well as in the broader information and communications technology sector. Professional accreditation: See Bachelor of Computer Science (page 74). **Career opportunities:** Video games developer, computer programmer, internet systems developer, multimedia developer, systems analyst, animator.	70+	4yrs FT 8yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V or D
GAMES DEVELOPMENT				
Bachelor of Computer Science (Professional) with a major in Games Development [H] **Bachelor of Computer Science with a major in Games Development [H]** Focus on the design and programming of computer games and other interactive software. Gain skills in software development using an object-oriented approach and specialist areas in games design and development. Learn about the creative and design aspects of multimedia and internet technologies, particularly as applied to games development. This degree is professionally accredited by the Australian Computer Society. **Professional placement:** The Bachelor of Computer Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Software developer, video game creator, computer programmer, data solutions manager.	80+ 70+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics excluding Foundation Mathematics	V V or D

KEY **C** Croydon | **EV** External venue | **D** Direct | **FT** Full-time | **H** Hawthorn | **N/A** Not applicable | **O** Online | **PT** Part-time | **RC** Range of criteria | **V** VTAC | **W** Wantirna



Bachelor of Games and Interactivity

1. *Bedlam*

Design team: Thomas Fortune, Elliot Harvey, Amanda Quinless and Adam Venuto

Code team: Tim Patullock, Jamie Princep, Aaron Richards and Jason Stubberfield

2. *We Go Forth*

Design team: Liam Dahl, Lachlan Goodear, Michael Loorham, Jeffrey Ng and Ashley Peter Wood

Code team: Daniel Draper, Lewis Herald and Aiden Lee

3. *Picaroons*

Design team: Lachlan Bouckley, Jeremy Burns, Juan Restrepo Flores, Alison Turnbull and Joshua Wojcicki

Code team: Briana Coppard, Daniel Miller and June Rhodes

Bachelor of Animation

4. *Acting Study*, Tom Crotty

5. *CGI 3D Environment Modelling*, Rhiannon Bentley

Bachelor of Design with a major in Digital Media Design

6. *3D rendering*, Dylon Butler

7. *3D Character Modelling Project*, JunHan Su

WHY SWINBURNE?

Access cutting-edge facilities

Examine the physical, psychological and social aspects of health in a variety of settings and access a range of laboratories and testing facilities equipped with the latest technology.

Connect with industry

All of our health courses offer workplace scenarios and simulations, internships, final-year projects matched to business needs and paid work placements.

Health

swinburne.edu.au/health

Health at a glance

- Applied Statistics
- Biomedical and Clinical Technologies
- Biomedical Science
- Community Services
- Exercise Science
- Health Across the Lifespan
- Health Communication
- Neuroscience
- Nursing
- Nutrition
- Psychology and Forensic Science
- Psychology and Psychophysiology
- Public and Environmental Health

Professional recognition

The three-year undergraduate major in psychology is professionally accredited by the Australian Psychology Accreditation Council.

The public and environmental health major is professionally accredited by Environmental Health Australia.

The Diploma of Community Services is professionally accredited by the Australian Community Workers' Association.

New in 2018	Bachelor of Nursing
Discover Swinburne's new nursing degree (page 69). In consultation with clinicians, academics and others in the nursing profession, Swinburne is designing a degree that provides the skills and knowledge required to become a 21st-century nurse. The degree is currently undergoing accreditation with the Australian Nursing & Midwifery Accreditation Council and subsequent approval from the Nursing and Midwifery Board of Australia.	

I completed a work placement at MonashHeart as a student cardiac technologist. I was trained to complete testing such as running ECGs, exercise ECG testing, heart rhythm monitoring and blood pressure monitoring. Being based in a hospital also meant exposure to interventional cardiology and the opportunity to observe procedures in other departments.

Tara

Studying biomedical science

Visit **www.swinburne.edu.au/health** to find out more about Tara's work placement experience.

Preview your Health degree

Our standard three-year degrees comprise 24 units of study.

You'll complete core units designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Many degrees also offer the flexibility to choose a second major – either from your area of study or from another discipline – as well as elective units. A Work Integrated Learning option, like a paid work placement or an industry study tour, is a great way to gain practical experience while earning credit towards your degree.

Enjoy more clarity, choices and flexibility in your studies at Swinburne.

Sample degree structure: Bachelor of Health Science (two majors and electives)

Year 1	Semester 1	Core	Core	Major 1	Major 2
	Semester 2	Core	Core	Major 1	Major 2
Year 2	Semester 1	Major 1	Major 2	Major 2	Elective
	Semester 2	Major 1	Major 2	Major 2	Elective
Year 3	Semester 1	Major 1	Major 1	Major 2	Elective
	Semester 2	Major 1	Major 1	Major 2	Elective

Note: This degree structure will vary for students who select a major in Psychology and Forensic Science or Psychology and Psychophysiology as these majors comprise more units of study than other majors offered in this degree.

Professional degrees offer a guaranteed 12-month, paid work placement. This means you'll receive invaluable full-time work experience and credit towards your degree.

Sample degree structure: Bachelor of Health Science (Professional) (two majors and electives)

Year 1	Semester 1	Core	Core	Major 1	Major 2
	Semester 2	Core	Core	Major 1	Major 2
Year 2	Semester 1	Major 1	Major 1	Major 2	Major 2
	Winter Term	Elective	Elective		
	Semester 2	Major 1	Major 1	Major 2	Major 2
Year 3	Semester 1	Professional Placement Co-Major		Professional Placement Co-Major	
	Semester 2	Professional Placement Co-Major		Professional Placement Co-Major	
Year 4	Semester 1	Major 1	Major 1	Major 2	Major 2

Note: This degree structure will vary for students who select a major in Psychology and Forensic Science or Psychology and Psychophysiology as these majors comprise more units of study than other majors offered in this degree.

Health

Course	ATAR	Duration	Prerequisites	Apply
APPLIED STATISTICS				
Bachelor of Health Science (Professional) with a major in Applied Statistics [H] **Bachelor of Health Science with a major in Applied Statistics [H]** Receive training in using a range of statistical tools, including survey and experimental design, generalised linear models, time series analysis, data mining, survival analysis, meta-analysis and multivariate statistics. Learn to apply these tools in a variety of contexts, including forensic science, sports science, psychology and health. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Medical researcher, data scientist, market researcher, biostatistician, psychological statistician, finance consultant.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V V or D
BEHAVIOURAL STUDIES				
Bachelor of Social Science with a major in Behavioural Studies [O] Gain insight into human behaviour. Learn how to analyse people's behaviour, relationships and the motivations. Develop skills needed to work in areas such as family counselling and social work. **Career opportunities:** Counselling supporter, child protection officer, community worker, human resources officer.	RC	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	D
BIOMEDICAL				
Bachelor of Health Science (Professional) with a major in Biomedical and Clinical Technologies [H] **Bachelor of Health Science with a major in Biomedical and Clinical Technologies [H]** Gain a basic scientific understanding of chemistry, biochemistry, microbiology, human anatomy and physiology. Develop knowledge about the technology and modern instrumentation used in clinical care and monitoring environments such as analytical and research laboratories. Study many of the functional aspects of the human body, with a major focus on the building blocks of physiology. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Clinical technologist, biomedical equipment technician, laboratory technician, research manager.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V V or D
Bachelor of Health Science (Professional) with a major in Biomedical Science [H] **Bachelor of Health Science with a major in Biomedical Science [H]** Explore biology, medicine, disease, chemistry and physiology to form a comprehensive understanding of the health of humans. You will learn skills to investigate and understand human biology, and gain the ability to critically analyse and interpret biomedical and scientific data. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Biomedical scientist, healthcare scientist, medical research scientist	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V V or D
COMMUNITY SERVICES				
Diploma of Community Services CHC52015 [H] [W] Gain the knowledge and skills to work in the community services sector in residential and community settings. Learn how to provide a holistic approach to client needs, including social, emotional, psychological and practical support. This course is professionally accredited by the Australian Community Workers' Association. **Career opportunities:** Family support worker, case worker, juvenile justice worker, child protection worker, mental health support worker.	RC	1.5 yrs FT	Completion of specified units from Certificate IV in Community Services work or experience in the community services sector; police and working with children checks	V or D
Certificate IV in Allied Health Assistance HLT43015 [W] Learn how to develop and manage therapeutic programs to deliver holistic care to clients with rehabilitation needs. Gain the knowledge and skills needed to support allied health professional such as physiotherapists, occupational therapists and dieticians. **Career opportunities:** Allied health assistant.	RC	6 mths FT	Police and working with children checks	V or D

Course	ATAR	Duration	Prerequisites	Apply
Certificate IV in Community Services CHC42015 [H] [W] Gain the knowledge and skills to work in the community services sector as a case or support worker. Learn how to design and deliver programs, as well as intervention processes. **Career opportunities:** Family support worker, case worker, juvenile justice worker, child protection worker, mental health support worker.	RC	18 wks FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
Certificate IV in Disability CHC43115 [H] [W] Gain the skills and knowledge to work effectively with people with disabilities in a range of services. Learn how to develop and implement programs that empower people with disabilities to achieve greater levels of independence, self-reliance and wellbeing. Become equipped with the skills to work in residential group homes, training resource centres, day respite centres, other community settings and clients' homes. **Career opportunities:** Residential care officer, disability support officer, personal care assistant, social educator.	RC	1 yr FT	At least 18 years of age with basic literacy and numeracy skills; police and working with children checks	V or D
Certificate IV in Mental Health CHC43315 [W] Gain the knowledge, skills and values required to perform competently as a professional worker in the mental health sector. **Career opportunities:** Mental health support worker, mental health case worker.	RC	6 mths FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience. Applicants require a police check.	V or D
Certificate IV in Youth Work CHC40413 [H] [W] Become prepared to work with and support young people. Gain the skills and knowledge required to develop and implement programs that address the social, behavioural, health, welfare, developmental and protection needs of young people. **Career opportunities:** Childcare worker, community worker, youth worker, social worker.	RC	1 yr FT	At least 18 years of age with basic literacy and numeracy skills; police and working with children checks	V or D
Certificate III in Health Services Assistance HLT33115 [W] Designed for students who aspire to work in an assisting role to health profession staff with the care of clients. Health services assistance involves working in direct client contact under supervision. **Career opportunities:** Operating theatre technician, ward clerk, patient transporter, patient service assistant, nursing assistant.	RC	3–6 mths FT	None	D
Certificate III in Individual Support (Ageing, Home and Community) CHC33015 [W] Become prepared to work with and support young people. Gain the skills and knowledge required to develop and implement programs that address the social, behavioural, health, welfare, developmental and protection needs of young people. **Career opportunities:** Community worker, disability worker, aged care worker.	RC	6 mths FT	At least 18 years of age with basic literacy and numeracy skills; police and working with children checks	D
EXERCISE SCIENCE				
Bachelor of Health Science (Professional) with a major in Exercise Science [H] **Bachelor of Health Science with a major in Exercise Science [H]** Explore the multidisciplinary nature of sport and exercise by developing in-depth knowledge of the application of health science in the environment of physical activity. Development and monitoring of skills performance activities, injury rehabilitation and talent identification will be key areas of your study. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Sport scientist, healthcare consultant, wellness coordinator, fitness specialist.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V V or D
HEALTH ACROSS THE LIFESPAN				
Bachelor of Health Science (Professional) with a major in Health Across the Lifespan [H] **Bachelor of Health Science with a major in Health Across the Lifespan [H]** Learn about population health; genetics versus lifestyle; behaviours, attitudes and beliefs about health; nutrition and food science; and technology and health care. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Community developer, health education and promotion officer, policy developer, government officer, community officer.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V V or D

Health

Course	ATAR	Duration	Prerequisites	Apply
HEALTH COMMUNICATION				
Bachelor of Health Science (Professional) with a major in Health Communication [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V
Bachelor of Health Science with a major in Health Communication [H] Explore public health in Australia and internationally. Learn about health education and communication strategy. Gain skills for addressing contemporary health problems. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Health communication officer, healthcare promoter, healthcare administrator.	60+	3 yrs FT/6 yrs PT		V or D
HEALTH SCIENCE				
Bachelor of Health Science (Professional) [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V
Bachelor of Health Science [H] Explore Australian and international health challenges from a range of perspectives. Examine the physical, psychological and social aspects of health in a variety of settings. Choose from a wide range of major study areas. The three-year undergraduate major in psychology is professionally accredited by the Australian Psychology Accreditation Council. The public and environmental health major is professionally accredited by Environmental Health Australia. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Community developer, health communication officer, disability officer, psychologist, data scientist, biomedical scientist.	60+	3 yrs FT/6 yrs PT		V or D
Bachelor of Health Science/Bachelor of Business [H] Explore Australian and international health challenges. Examine the physical, psychological and social aspects of health in a variety of settings. Gain core skills and knowledge in business, management and operations to prepare for work in modern organisations. Professional accreditation: See Bachelor of Business (page 30) and Bachelor of Health Science. **Career opportunities:** Medical researcher, psychologist, data scientist, biomedical scientist, business manager, public relations officer, project manager.	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V or D
Bachelor of Health Science/Bachelor of Media and Communication [H] Explore Australian and international health challenges. Examine the physical, psychological and social aspects of health in a variety of settings. Gain knowledge about how the media is evolving through an examination of issues such as ownership, control of the media and the impact of new media technologies on society. Professional accreditation: See Bachelor of Health Science and Bachelor of Media and Communication (page 86). **Career opportunities:** Medical researcher, psychologist, data scientist, biomedical scientist, health communicator, public relations officer, advertising consultant, journalist, journal editor.	60+	4 yrs FT/8 yrs Pt	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V or D
Bachelor of Health Science/Bachelor of Science [H] Explore Australian and international health challenges. Examine the physical, psychological and social aspects of health in a variety of settings. Gain skills, knowledge and key theoretical insights required to work in a range of professional scientific environments. Professional accreditation: See Bachelor of Science (page 95). **Career opportunities:** Medical researcher, psychologist, data scientist, biomedical scientist, biologist, industrial chemist, environmental scientist.	65+	4 yrs FT/8 yrs Pt	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); Units 3 and 4: a minimum study score of 20 in any Mathematics.	V or D
Diploma of Health Science (UniLink) (8 months) [H] This higher education diploma provides an alternative pathway to the second year of a bachelor degree. The units are similar to those offered in the first year of a bachelor degree, but classes are smaller and students have more one-on-one time with teachers. Complete units in biology, statistics and physiology. **Career opportunities:** Health care professional, primary healthcare administrator, complementary medicine practitioner.	50+	8 mths FT 16 mths PT	Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 25 in English (EAL)	V or D

Course	ATAR	Duration	Prerequisites	Apply
NEUROSCIENCE				
Bachelor of Health Science (Professional) with a major in Neuroscience [H] **Bachelor of Health Science with a major in Neuroscience [H]** Learn about biology, physiology and psychophysiology, and neuroimaging. Understand how the human brain and nervous system work. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Medical researcher, neuroscientist, hospital scientist, hospital technologist.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V V or D
NURSING				
Bachelor of Nursing [H] NEW Undertake hands-on laboratory work and training in our new and redeveloped state-of-the-art clinical laboratories. Complete integrated clinical work placements in a range of health settings, including acute hospital, aged-care, day surgery or mental health environments in metropolitan or regional areas. Students will spend between two and five days per week on placement, as well as attending classes. The degree is currently undergoing accreditation with the Australian Nursing & Midwifery Accreditation Council and subsequent approval from the Nursing and Midwifery Board of Australia. **Career opportunities:** Nurse.	TBC	3 yrs FT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Diploma of Nursing HLT54115 [W] Learn how to implement basic nursing care, assess clients' health and analyse health-related information. Also learn how to administer and monitor medication care for older clients, acute-care clients and people with mental health conditions. **Career opportunities:** Acute care nurse, aged care nursing, rehabilitation nurse, palliative care nurse, mental health nurse.	RC	1.5 yrs FT 3 yrs PT	Police and working with children checks; see also www.swinburne.edu.au/courses	V or D
NUTRITION				
Bachelor of Health Science (Professional) with a major in Nutrition [H] **Bachelor of Health Science with a major in Nutrition [H]** Explore the fields of nutritional and food science in relation to contemporary issues in health science. Gain an understanding of food sources, metabolic functions of carbohydrates, proteins, vitamins and minerals along with the biological, psychological, cultural and social determinants of food choices in order to understand the role of nutrition in health across the lifespan. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Dietician, nutritionist, healthcare consultant, wellness coordinator.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V V or D
PSYCHOLOGY AND FORENSIC SCIENCE				
Bachelor of Health Science (Professional) with a major in Psychology and Forensic Science [H] **Bachelor of Health Science with a major in Psychology and Forensic Science [H]** Gain specialist knowledge about the application of psychology to aspects of the law, the justice system and forensic science, as well as statistical skills relevant to forensic issues. Complete research projects, specialist units in research design and project units related to forensic psychology. The three-year undergraduate major in psychology is professionally accredited by the Australian Psychology Accreditation Council. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Psychologist, forensic psychologist, behavioural therapist, medical researcher, counsellor, youth worker.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V V or D

Health

Course	ATAR	Duration	Prerequisites	Apply
PSYCHOLOGY AND PSYCHOPHYSIOLOGY				
Bachelor of Health Science (Professional) with a major in Psychology and Psychophysiology [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V
Bachelor of Health Science with a major in Psychology and Psychophysiology [H]	60+	3 yrs FT/6 yrs PT		V or D
Gain a broad introduction to a range of relevant studies in psychology, including cognition, developmental psychology, social psychology, personality, design and measurement, psychological measurement and abnormal psychology. Learn about physiological processes relevant to the study of psychology and address neuroanatomy; neurophysiology; physiological responses to sleep, dreaming, memory and cognition; and brain disorders. The three-year undergraduate major in psychology is professionally accredited by the Australian Psychology Accreditation Council. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Psychologist, psychophysiologist, scientist, technologist.				
PUBLIC AND ENVIRONMENTAL HEALTH				
Bachelor of Health Science (Professional) with a major in Public and Environmental Health [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V
Bachelor of Health Science with a major in Public and Environmental Health [H]	60+	3 yrs FT/6 yrs PT		V or D
Gain the knowledge to assist in the protection of the environment and the health of people living within it. Acquire expertise in planning and implementing programs in public health and environmental protection, and develop skills in risk analysis, disease prevention and working with diverse communities. This degree is professionally accredited by Environmental Health Australia. **Career opportunities:** Environmental health officer, health promotion officer, health policy developer, public health officer, quality assurance officer, disaster or emergency manager.				

KEY **C** Croydon | **EV** External venue | **D** Direct | **FT** Full-time | **H** Hawthorn | **N/A** Not applicable | **O** Online | **PT** Part-time | **RC** Range of criteria | **V** VTAC | **W** Wantirna

WHY SWINBURNE?

Cisco networking labs

Networking students have the opportunity to work with equipment used in industry to create live network systems in our three state-of-the-art Cisco labs.

IT for Social Impact study tours

Make a difference in communities where your impact will be huge. Use your IT skills to help conduct technology audits, fix and install computers and weather stations, and run workshops and training.

Information and Communication Technologies

swinburne.edu.au/ict

ICT at a glance

The Bachelor of Business Information Systems offers majors in:

- Business Analysis
- Data Analytics
- Data Management

The Bachelor of Computer Science offers majors in:

- Cybersecurity
- Data Science
- Games Development
- Network Design
- Software Design
- Software Development

The Bachelor of Information and Communication Technology offers majors in:

- Business Systems
- Network Technology
- Software Technology
- Systems Analysis
- Systems Management

Professional recognition

Our ICT degrees are professionally accredited by the Australian Computer Society.

Double degrees may provide opportunities for membership of leading industry organisations.

Accredited Program
acs AUSTRALIAN COMPUTER SOCIETY

ENGINEERS AUSTRALIA

The Bachelor of Information Technology really has prepared me for a career in the IT industry. Through the two work placements I experienced life in two industry-leading organisations – SMS Management and Technology, and KPMG. I know that I'm ready to enter the workforce and hit the ground running, with almost a year's experience already.

Rachael

Studying information technology

Visit **www.swinburne.edu.au/ict** to hear from students, graduates and employers about the opportunities offered through the Bachelor of Information Technology.

Preview your ICT degree

Our standard three-year degrees comprise 24 units of study.

You'll complete core units designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Many degrees also offer the flexibility to choose a second major – either from your area of study or from another discipline – as well as elective units. A Work Integrated Learning option, like a paid work placement or an industry study tour, is a great way to gain practical experience while earning credit towards your degree.

Enjoy more clarity, choices and flexibility in your studies at Swinburne.

Sample degree structure: Bachelor of Computer Science (two majors)

Year 1	Semester 1	Core	Core	Core	Core
	Semester 2	Core	Major 1	Major 1	Major 2
Year 2	Semester 1	Major 1	Major 2	Major 2	Major 2
	Semester 2	Major 1	Major 1	Major 2	Major 2
Year 3	Semester 1	Core	Major 1	Major 1	Major 2
	Semester 2	Core	Core	Major 1	Major 2

Professional degrees offer a guaranteed 12-month, paid work placement. This means you'll receive invaluable full-time work experience and credit towards your degree.

Sample degree structure: Bachelor of Computer Science (Professional) (one major and electives)

Year 1	Semester 1	Core	Core	Core	Core
	Semester 2	Core	Major 1	Major 1	Major 1
Year 2	Semester 1	Core	Major 1	Major 1	Elective
	Winter Term	Elective	Elective		
	Semester 2	Core	Major 1	Major 1	Elective
Year 3	Semester 1	Professional Placement Co-Major		Professional Placement Co-Major	
	Semester 2	Professional Placement Co-Major		Professional Placement Co-Major	
Year 4	Semester 1	Core	Major 1	Elective	Elective

Course	ATAR	Duration	Prerequisites	Apply
BUSINESS ANALYSIS				
Bachelor of Business Information Systems with a major in Business Analysis [H] Learn about approaches to analysing and developing creative solutions to the economic, social and environmental changes and challenges facing business. Develop the skills to analyse the requirements of users and learn how to find ways to transform business through technology. **Career opportunities:** Systems analyst, systems architect, business analyst, requirements analyst.	60+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
BUSINESS INFORMATION SYSTEMS				
Bachelor of Business (Professional) with a major in Information Systems [H] **Bachelor of Business with a major in Information Systems [H]** Learn about business analysis and problem-solving, systems analysis, project management, the provision of information systems services, social media in organisations, and mobile business. **Professional placement:** The Bachelor of Business (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Business IT manager, business analyst, information architect, manager, IT consultant, systems analyst and tester.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V V or D
Bachelor of Business Information Systems [H] Become prepared for immediate entry into the management of business information systems in organisations. Learn about business analysis and problem-solving, systems analysis, project management, the provision of IS services, social networking in organisations, and mobile business and connectivity. This degree is professionally accredited by the Australian Computer Society. **Career opportunities:** Systems analyst, systems architect, business IT manager.	60+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Business Information Systems/Bachelor of Business [H] Combine specialist studies in business information systems (IS) with a business degree. Gain the skills and knowledge to pursue a generalist or specialist career using IS and ICT to analyse business problems and develop creative and innovative solutions. Professional accreditation: See Bachelor of Business (page 30) and Bachelor of Business Information Systems. **Career opportunities:** Business IT manager, business analyst, information architect, manager, IT consultant, systems analyst and tester.	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
BUSINESS SYSTEMS				
Bachelor of Information and Communication Technology (Professional) with a major in Business Systems [H] **Bachelor of Information and Communication Technology with a major in Business Systems [H]** Learn about database technologies, informing management on suitable technologies and their deployment. **Professional placement:** The Bachelor of Information and Communication Technology (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Business analyst, database analyst, information systems coordinator, management information systems analyst, project manager.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V V or D

Information and Communication Technologies

Course	ATAR	Duration	Prerequisites	Apply
COMPUTER SCIENCE				
Bachelor of Computer Science (Professional) [H] **Bachelor of Computer Science [H]** Learn about software development, networking and cybersecurity, and gain a sound understanding of the traditional aspects of computer science. Explore contemporary approaches to application development involving mobile devices and web-based systems, with an emphasis on the design and implementation of effective human–computer interfaces. Develop skills in a range of programming languages, including C++, C#, Objective C and Java. This degree is professionally accredited by the Australian Computer Society. **Professional placement:** The Bachelor of Computer Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Software developer, games developer, cybersecurity consultant, data analyst, digital developer, IT consultant, network designer.	80+ 70+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V V or D
Bachelor of Engineering (Honours)/Bachelor of Computer Science [H] Combine technical expertise in an engineering field of your choice with skills in software development or online security. Complete core units in your first year to assist in selecting from a wide range of majors. Undertake at least 12 weeks of relevant professional experience. Professional accreditation: See Bachelor of Computer Science and Bachelor of Engineering (Honours) (page 51). **Career opportunities:** Software developer, design engineer, cybersecurity consultant, systems analyst, network administrator.	75+	5 yrs FT/10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V or D
COMPUTER SYSTEMS TECHNOLOGY				
Advanced Diploma of Computer Systems Technology ICT60515 [H] Gain the skills and knowledge needed to coordinate and administer the commissioning, installation and maintenance of a range of networks, enterprise servers and systems, develop dynamic websites and object oriented code. **Career opportunities:** IT support professional, network administrator, network programmer, network security practitioner.	RC	1 yr FT 2 yrs PT	Successful completion of Certificate IV in Computer Systems Technology or demonstrated experience in senior network support roles	V or D
Certificate IV in Computer Systems Technology ICT41015 [H] Gain the knowledge and skills required to install and administer simple networks, servers, client desktop deployments, networking and robotics-related programming development, and the Internet of Things. **Career opportunities:** IT support professional, network administrator, network security practitioner.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
CYBERSECURITY				
Bachelor of Computer Science (Professional) with a major in Cybersecurity [H] **Bachelor of Computer Science with a major in Cybersecurity [H]** Learn the fundamentals of encryption systems, access control, the internet and get into the minds of malicious hackers and cyber-criminals. Learn their tricks and how to defeat them. **Professional placement:** The Bachelor of Computer Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Software developer, cybersecurity consultant, digital forensics expert, information system security officer, data analyst, digital developer, IT consultant, network designer.	80+ 70+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V V or D
DATA ANALYTICS				
Bachelor of Business Information Systems with a major in Data Analytics [H] Learn how business intelligence and business analytics are used to solve 'wicked problems' and provide business insight. Discover how business agility can be improved through an understanding of big data. **Career opportunities:** Business analyst, data analyst, business intelligence analyst, information management specialist, business solutions consultant.	60+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D

Course	ATAR	Duration	Prerequisites	Apply
DATA MANAGEMENT				
Bachelor of Business Information Systems with a major in Data Management [H] Gain hands-on experience in database design, implementation and management. Learn about contemporary issues relating to master data management, cloud storage, social media data and non-relational databases. **Career opportunities:** Database architect, database designer, database application developer, data services manager, data analyst.	60+	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
DATA SCIENCE				
Bachelor of Computer Science (Professional) with a major in Data Science [H] **Bachelor of Computer Science with a major in Data Science [H]** Learn the statistical methods and tools needed to manage big data sets and the visualisation techniques needed to represent and understand that data. **Professional placement:** The Bachelor of Computer Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Business analyst, data scientist, data solutions manager, information systems analyst, market intelligence analyst.	80+ 70+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V V or D
DIGITAL MEDIA TECHNOLOGIES				
Diploma of Digital Media Technologies ICT50915 [H] Gain a broad range of skills required for entry into the information technology and multimedia industries. Learn about digital photography, visual design, web design, web programming, database integration and multimedia project management. **Career opportunities:** Digital media designer, digital media developer, digital media specialist, digital media producer, web developer.	RC	1 yr FT 2 yrs PT	Successful completion of Certificate IV in Digital Media Technologies or equivalent, or relevant experience	V or D
Certificate IV in Information Technology ICT40115 specialising in Digital Media Technologies [H] Develop skills in web design, responsive web programming (HTML5, CSS3, JavaScript and jQuery), digital imaging, visual design, 2D animation and motion graphics. Become familiar with a range of Adobe Creative Cloud applications. **Career opportunities:** Web designer, web developer, software developer.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
GAMES DEVELOPMENT				
Bachelor of Computer Science (Professional) with a major in Games Development [H] **Bachelor of Computer Science with a major in Games Development [H]** Focus on the design and programming of computer games and other interactive software. Gain skills in software development using an object-oriented approach and specialist areas in games design and development. Learn about the creative and design aspects of multimedia and internet technologies, particularly as applied to games development. This degree is professionally accredited by the Australian Computer Society. **Professional placement:** The Bachelor of Computer Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Software developer, video game creator, computer programmer, data solutions manager.	80+ 70+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V V or D
Bachelor of Games and Interactivity/Bachelor of Computer Science [H] Gain a broad range of multimedia production skills, including web, animation and digital video/audio, combined with extensive skills in software engineering and development required to develop games and interactive applications. Learn how to apply theoretical and practical knowledge to the development of 2D and 3D games. Gain multimedia and information technology skills to prepare for a career in the games industry as well as in the broader information and communications technology sector. Professional accreditation: See Bachelor of Computer Science. **Career opportunities:** Video games developer, computer programmer, internet systems developer, multimedia developer, systems analyst, animator.	70+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V or D

Information and Communication Technologies

Course	ATAR	Duration	Prerequisites	Apply
INFORMATION TECHNOLOGY				
Bachelor of Information and Communication Technology (Professional) [H] **Bachelor of Information and Communication Technology [H]** Explore computer and network configurations, web and application programming, and database design and maintenance. Specialise in a particular aspect of ICT-related work. This degree is professionally accredited by the Australian Computer Society. **Professional placement:** The Bachelor of Information and Communication Technology (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Project manager, multimedia developer, systems architect, business requirements analyst, technical writer, application integration specialist.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V V or D
Bachelor of Information Technology [H] Spend 40 weeks gaining experience in the ICT industry by working with Swinburne's industry partners and receive a tax-free scholarship of approximately $40,000. Develop technical skills in databases and programming, and explore business analysis and problem-solving, business process management, project management, the management of information systems (IS) in organisations, the provision of IS services, social networking in organisations, and mobile business and connectivity. This degree is professionally accredited by the Australian Computer Society. **Career opportunities:** Project manager, business analyst, information architect, business requirements analyst.	80+	3 yrs FT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
Diploma of Information Technology (UniLink) (8 months) [H] This higher education diploma is an alternative pathway to the second year of a bachelor degree. The units are similar to those in the first year of a bachelor degree, but classes are smaller and students have more one-on-one time with teachers. Complete units in database analysis and design, business information systems, programming in C and C++, and creating web applications. **Career opportunities:** Computer programmer, database administrator, IT support professional, web designer, web developer, software developer.	50+	8 mths FT 16 mths PT	Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 25 in English (EAL)	V or D
Diploma of Applied Technologies [H] Develop technical engineering and information technology skills. Learn about the Internet of Things, cloud computing, advanced algorithms, advanced manufacturing practices, automation and robotics, and smart sensor and cyber physical systems. Undertake paid employment at a global engineering company. **Career opportunities:** Service technician, engineering technician, site installation technician, mechatronic technologist.	RC	1 yr FT 6 mths PT	Units 3 and 4: a minimum study schore of 20 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	D
NETWORKS				
Bachelor of Computer Science (Professional) with a major in Network Design [H] **Bachelor of Computer Science with a major in Network Design [H]** Learn how to secure information and communication systems and become competent in computer network technologies and security. Study programming, internet technologies, systems analysis and design, database technologies and software engineering, as well as advanced topics in computer networks and security. This degree is professionally accredited by the Australian Computer Society. **Professional placement:** The Bachelor of Computer Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Network technician, telecommunication network designer, telecommunication network developer, network architect, software developer, data analyst, IT consultant.	80+ 70+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V V or D
Bachelor of Information and Communication Technology (Professional) with a major in Network Technology [H] **Bachelor of Information and Communication Technology with a major in Network Technology [H]** Specialise in the networking aspect of ICT infrastructure. Gain four Cisco certifications. **Professional placement:** The Bachelor of Information and Communication Technology (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Network technician, telecommunication network designer, telecommunication network developer, network architect, software developer, data analyst, IT consultant.	80+ 60+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V V or D

Course	ATAR	Duration	Prerequisites	Apply
Diploma of Information Technology Networking ICT50415 [H] Gain the skills and knowledge needed to install and manage complex networks either as an independent ICT specialist or as part of a team. Learn how to install and administer Linux and Microsoft operating systems, and network security. **Career opportunities:** Customer support, database support, network support technician, computer support technician, user support technician.	RC	1 yr FT 2 yrs PT	Successful completion of Certificate IV in Information Technology Networking or demonstrated experience in network support	V or D
Certificate IV in Information Technology Networking ICT40415 [H] Study networking, Linux administration, Windows servers, network security, the Internet of Things and client support. Gain the skills and knowledge needed to install and manage small-scale networks, either as an independent network support technician or as part of a team. **Career opportunities:** Customer support, database support, network support technician, computer support technician, user support technician.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
SOFTWARE				
Bachelor of Computer Science (Professional) with a major in Software Design [H] **Bachelor of Computer Science with a major in Software Design [H]** Learn the algorithms that drive big data, facilitate green computing and cybersecurity, and underpin the next generation of computer systems. **Professional placement:** The Bachelor of Computer Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Software designer, systems developer, network engineer, financial analyst, software modeller, project and technology manager.	80+ 70+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V V or D
Bachelor of Computer Science (Professional) with a major in Software Development [H] **Bachelor of Computer Science with a major in Software Development [H]** Learn how to architect big systems, write phone and tablet apps and produce software that is better than industry standard. Then scale your applications up to the cloud for hacker-proof, robust and reliable software applications. **Professional placement:** The Bachelor of Computer Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Software developer, games developer, cybersecurity consultant, data analyst, digital developer, IT consultant, network designer.	80+ 70+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V V or D
Bachelor of Engineering (Honours) (Professional) with a major in Software [H] **Bachelor of Engineering (Honours) with a major in Software [H]** Learn advanced software engineering with an emphasis on teamwork, problem solving and practical software engineering skills, including quality assurance, project management and industry-standard development techniques and tools. Undertake at least 12 weeks of professional experience. This degree is professionally accredited by the Australian Computer Society and Engineers Australia. **Career opportunities:** Software engineer, software systems developer, software modeller, project and technology manager.	85+ 75+	4.5 yrs FT/9 yrs PT 4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V V or D
Bachelor of Information and Communication Technology (Professional) with a major in Software Technology [H] **Bachelor of Information and Communication Technology with a major in Software Technology [H]** Learn how to enhance and maintain existing applications and assist in the choice of software for the needs of an organisation. **Professional placement:** The Bachelor of Information and Communication Technology (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Systems architect, business requirements analyst, technical writer, application integration specialist, software developer.	80+ 60+	3.5–4 yrs FT/9 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V V or D
Diploma of Software Development ICT50715 [H] Gain high-level technical skills and knowledge, and learn how to develop mobile, web, desktop and cloud applications. Use up-to-date practices and current programming languages, including C#, Java, JavaScript, PHP, databases and project management **Career opportunities:** Application developer, user interface analyst, data mining specialist, support programmer, web application developer.	RC	1 yr FT 2 yrs PT	Successful completion of Certificate IV in Digital Media Technologies or Certificate IV in Information Technology, or equivalent	V or D

Information and Communication Technologies

Course	ATAR	Duration	Prerequisites	Apply
SOFTWARE (CONTINUED)				
Certificate IV in Information Technology ICT40115 specialising in Programming [H] Learn a range of programming languages (C#, Java, JavaScript and PHP) and develop skills in programming frameworks, version control tools and project collaboration tools. Gains the skills to develop mobile, desktop and cloud applications. **Career opportunities:** Computer programmer, database administrator, IT support professional.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
SYSTEMS				
Bachelor of Information and Communication Technology (Professional) with a major in Systems Analysis [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V
Bachelor of Information and Communication Technology with a major in Systems Analysis [H] Learn how to redesign business processes and describe the software and web applications that assist in creating more efficient working environments. **Professional placement:** The Bachelor of Information and Communication Technology (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Quality assurance analyst, business requirements analyst, user interface analyst, business analyst, database analyst.	60+	3 yrs FT/6 yrs PT		V or D
Bachelor of Information and Communication Technology (Professional) with a major in Systems Management [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion of two units (any study combination) of any Mathematics	V
Bachelor of Information and Communication Technology with a major in Systems Management [H] Gain the skills to provide for the infrastructure and technology needs of a small organisation; learn how to lead teams that look after the IT needs in a larger organisation and assist management in technology-related decision making. **Professional placement:** The Bachelor of Information and Communication Technology (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Project manager, multimedia developer, systems architect, data mining specialist, help desk manager, business analyst.	60+	3 yrs FT/6 yrs PT		V or D

KEY **C** Croydon | **EV** External venue | **D** Direct | **FT** Full-time | **H** Hawthorn | **N/A** Not applicable | **O** Online | **PT** Part-time | **RC** Range of criteria | **V** VTAC | **W** Wantirna

Professional experience placements

Our new law degrees include up to three law-related professional experience placements at organisations in Australia or overseas.

Practical legal skills

Our law degrees introduce you to the practical aspects of lawyering through moot court scenarios and advocacy exercises.

Law

swinburne.edu.au/law

Law at a glance

Choose from the single degree or a wide range of double degrees:

- Bachelor of Laws/Bachelor of Arts
- Bachelor of Laws/Bachelor of Aviation Management
- Bachelor of Laws/Bachelor of Business
- Bachelor of Laws/Bachelor of Business Information Systems
- Bachelor of Laws/Bachelor of Computer Science
- Bachelor of Laws/Bachelor of Engineering (Honours)
- Bachelor of Laws/Bachelor of Innovation and Design
- Bachelor of Laws/Bachelor of Media and Communication
- Bachelor of Laws/Bachelor of Science

Professional recognition

The Bachelor of Laws satisfies the academic requirements for admission to practice as a lawyer in the Victorian and Australian Federal legal systems as set by the Victorian Legal Admissions Board. Non-academic requirements must also be satisfied for admission to practice.

Double degrees may provide opportunities for membership of leading industry organisations.

From the first week, I was tasked with transforming a crash course in law into a coherent argument and it was a fantastic experience after just coming out of high school. It's fun being able to relate your course to the everyday world – Swinburne focuses more on industry experience than any other university.

Ryan

Studying law and business information systems

2016 Swinburne student ambassador

Preview your Law degree

Some four-year degrees offer highly specialised teaching. They feature extra core units designed to prepare you with essential skills and knowledge relevant to your chosen degree.

For some professions you must have hands-on skills learnt in the setting of your future workplace. That's why relevant degrees include compulsory accreditation placements – to ensure you graduate with the necessary skill sets.

Sample degree structure: Bachelor of Laws

Year 1	Semester 1	Core	Core	Elective	Elective	
	Semester 2	Core	Core	Elective	Elective	Accreditation Placement
Year 2	Semester 1	Core	Core	Core	Elective	
	Semester 2	Core	Core	Core	Elective	Accreditation Placement
Year 3	Semester 1	Core	Core	Core	Core	
	Semester 2	Core	Core	Core	Core	Accreditation Placement
Year 4	Semester 1	Core	Core	Core	Core	
	Semester 2	Core	Core	Core	Core	

Law can be challenging because it's such a dedicated profession. But the culture at Swinburne Law School is more personal, so we're all happy to help each other. You need to pick a university for yourself and not just what your family or friends think you should be doing.

Charlotte | **Studying law, and innovation and design**

Course	ATAR	Duration	Prerequisites	Apply
LAW PROFESSION				
Bachelor of Laws [H] Learn about commercial law with emphasis on intellectual property law. The only bachelor degree in Victoria with this distinct specialisation, explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Learn how to protect the rights of those who innovate or create. Professional accreditation from the Victorian Legal Admissions Board. This course satisfies the academic requirements for admission to practise as a lawyer in the Victorian and Australian federal legal systems. Non-academic requirements must also be satisfied for admission to practice. **Career opportunities:** Solicitor, lawyer, legal adviser.	90+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Laws/Bachelor of Arts [H] Learn about commercial law with emphasis on intellectual property law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Gain a general understanding of contemporary social and cultural developments through a range of arts majors. Professional accreditation: See Bachelor of Arts (page 18) and Bachelor of Laws. **Career opportunities:** Lawyer, public servant, media manager, communications manager, consultant, publisher, consultant.	90+	5 yrs FT 10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Laws/Bachelor of Aviation Management [H] Learn about commercial law with emphasis on intellectual property law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Gain a sound understanding of the aviation industry and skills in organisational, regulatory, safety, technical and business management. Professional accreditation: See Bachelor of Aviation (Management) (page 26) and Bachelor of Laws. **Career opportunities:** Lawyer, consultant, manager, compliance and regulation manager, project manager.	90+	5 yrs FT 10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
Bachelor of Laws/Bachelor of Business [H] Learn about commercial law with emphasis on intellectual property law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Learn how to be an entrepreneurial thinker and gain skills and knowledge in business management and operations. Professional accreditation: See Bachelor of Business (page 30) and Bachelor of Laws. **Career opportunities:** Solicitor, lawyer, legal adviser, business systems manager, financial analyst, policy adviser, human rights advocate.	90+	5 yrs FT 10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Laws/Bachelor of Business Information Systems [H] Learn about commercial law with emphasis on intellectual property law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Gain technical and analytical skills to meet the growing demand for information systems professionals in the increasingly technology-driven environment of organisations. Professional accreditation: See Bachelor of Business Information Systems (page 32) and Bachelor of Laws. **Career opportunities:** Lawyer, corporate counsellor, manager, compliance and regulation manager, project manager.	90+	5 yrs FT 10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Laws/Bachelor of Computer Science [H] Learn about commercial law with emphasis on intellectual property law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Work with complex software and networks to create secure solutions. Learn how these can be applied in areas such as defence, aerospace, medicine, banking and manufacturing. Professional accreditation: See Bachelor of Computer Science (page 74) and Bachelor of Laws. **Career opportunities:** Solicitor, lawyer, legal adviser, software developer, games developer, cybersecurity consultant, data analyst, digital developer, IT consultant, network designer.	90+	5 yrs FT 10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 1 and 2: satisfactory completion in two units (any study combination) of any Mathematics excluding Foundation Mathematics	V or D

Law

Course	ATAR	Duration	Prerequisites	Apply
LAW PROFESSION (CONTINUED)				
Bachelor of Laws/Bachelor of Engineering (Honours) [H] Learn about commercial law with emphasis on intellectual property law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Obtain theoretical and practical engineering knowledge by participating in workshops and industry projects. Undertake professional experience in law and engineering. Professional accreditation: See Bachelor of Engineering (Honours) (page 51) and Bachelor of Laws. **Career opportunities:** Solicitor, lawyer, legal adviser, corporate counsellor, manager, compliance and regulation manager, project manager.	90+	6.5 yrs FT 13 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V or D
Bachelor of Laws/Bachelor of Innovation and Design [H] Learn about commercial law with emphasis on intellectual property law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Learn about the relationship between innovation, design, entrepreneurship and creativity. Professional accreditation: See Bachelor of Innovation and Design (page 41) and Bachelor of Laws. **Career opportunities:** Lawyer, corporate counsellor, manager, compliance and regulation manager, project manager, consultant.	90+	5 yrs FT 10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Laws/Bachelor of Media and Communication [H] Learn about commercial law with emphasis on intellectual property law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Gain knowledge about how the media is evolving through an examination of issues such as ownership, control of the media and the impact of new media technologies on society. Professional accreditation: See Bachelor of Media and Communication (page 86) and Bachelor of Laws. **Career opportunities:** Solicitor, lawyer, legal adviser, public relations officer, journalist, journal editor, writer.	90+	5 yrs FT 10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Laws/Bachelor of Science [H] Learn about commercial law with emphasis on intellectual property law. Explore trademarks, patents and designs, copyright, the prohibition of misleading or deceptive conduct, and competition law. Choose from a range of science majors. Gain an understanding of complex scientific information. Professional accreditation: See Bachelor of Laws. **Career opportunities:** Lawyer, corporate counsellor, scientist, compliance and regulation manager, project manager, consultant.	90+	5 yrs FT 10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
LEGAL AND JUSTICE STUDIES				
Diploma of Justice 22197VIC [H] Gain fundamental knowledge of criminal justice and related fields. Learn how to manage a range of settings, including the appropriate application of law, working within family violence contexts, conflict resolution and mediation, and client services that address cultural diversity and special needs. **Career opportunities:** Law clerk, clerk of court, customs officer, victim support officer, crime prevention officer.	RC	6 mths FT	Successful completion of Certificate IV in Justice	V or D
Diploma of Legal Services BSB52215 [H] Learn about legislation, regulations and codes of practice relevant to areas such as family law, criminal law, property law and corporation law. Become prepared to use a range of specialised, technical and managerial skills to plan and carry out work in a legal context. Students also complete a work placement. **Career opportunities:** Legal secretary, administrator.	RC	6 mths FT	Successful completion of Certificate IV in Legal Services or equivalent, or relevant work experience	V or D
Certificate IV in Justice 22199VIC [H] Gain foundational knowledge and skills in key concepts of criminal justice, including the components and functions of the justice system, judicial processes and the administration of the law. **Career opportunities:** Law clerk, clerk of court, customs officer, victim support officer, crime prevention officer.	RC	6 mths FT	Basic computer skills and demonstrated capacity in literacy, numeracy and interpersonal communication skills	V or D
Certificate IV in Legal Services BSB42215 [H] Learn about working with contracts and other legal documents to provide support in a range of legal service settings. **Career opportunities:** Legal secretary, administrator.	RC	6 mths FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D

Connect with Adobe

Swinburne has partnered with Adobe in a world first, through our major in digital advertising technology.

Become a foreign correspondent

Travel to the Middle East to visit news outlets, learn about Arabic culture and gain experience reporting from the field.

Learn from award-winning professionals

Academic staff across journalism, media studies, advertising, writing, communications and public relations are highly credentialed and experienced in their fields.

Media and Communications

swinburne.edu.au/media

Media and Communications majors

- Advertising
- Cinema and Screen Studies
- Creative Writing and Literature
- Digital Advertising Technology
- Games and Interactivity
- Journalism
- Media Studies
- Professional Writing and Editing
- Public Relations
- Social Media

Professional recognition

Our media and communications courses provide many opportunities to connect through leading industry organisations. Our advertising major is professionally accredited by the Media Federation of Australia. Our public relations major is professionally accredited by the Public Relations Institute of Australia and graduates may be eligible for membership.

Graduates of the digital advertising technology major may be eligible for membership of the Australasian Interactive Media Industry Association. Graduates of the journalism major may be eligible to apply for membership of the Media, Entertainment and Arts Alliance.

Double degrees may provide additional opportunities for membership.

My paid work placement as a marketing intern at Motorola Solutions is the best thing I have ever decided to pursue. I've been given my own campaign to work on and manage – it's great experience for the future.

Nancine

Studying advertising

Vice-Chancellor's Excellence Scholarship recipient

Visit **www.swinburne.edu.au/media** to find out more about Nancine's work placement experience.

Preview your Media and Communications degree

Our standard three-year degrees comprise 24 units of study.

You'll complete core units designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Many degrees also offer the flexibility to choose a second major – either from your area of study or from another discipline – as well as elective units. A Work Integrated Learning option, like a paid work placement or an industry study tour, is a great way to gain practical experience while earning credit towards your degree.

Enjoy more clarity, choices and flexibility in your studies at Swinburne.

Sample degree structure: Bachelor of Media and Communication (two majors and electives)

Year 1	Semester 1	Core	Core	Major 1	Major 2
	Semester 2	Core	Core	Major 1	Major 2
Year 2	Semester 1	Major 1	Major 1	Major 2	Elective
	Semester 2	Major 1	Major 2	Major 2	Elective
Year 3	Semester 1	Major 1	Major 1	Major 2	Elective
	Semester 2	Major 1	Major 2	Major 2	Elective

Professional degrees offer a guaranteed 12-month, paid work placement. This means you'll receive invaluable full-time work experience and credit towards your degree.

Sample degree structure: Bachelor of Media and Communication (Professional) (two majors and electives)

Year 1	Semester 1	Core	Core	Major 1	Major 2
	Semester 2	Core	Core	Major 1	Major 2
Year 2	Semester 1	Major 1	Major 1	Major 2	Major 2
	Winter Term	Elective	Elective		
	Semester 2	Major 1	Major 1	Major 2	Major 2
Year 3	Semester 1	Professional Placement Co-Major		Professional Placement Co-Major	
	Semester 2	Professional Placement Co-Major		Professional Placement Co-Major	
Year 4	Semester 1	Major 1	Major 1	Major 2	Major 2

Course	ATAR	Duration	Prerequisites	Apply
ADVERTISING				
Bachelor of Media and Communication (Professional) with a major in Advertising [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Media and Communication with a major in Advertising [H]	60+	3 yrs FT/6 yrs PT		V or D
Gain vital knowledge and skills needed to succeed in the complex and creative world of advertising. Explore effective design and strategy, as well as advertising development, implementation and evaluation. Learn how to design advertisements that not only please clients but achieve the ultimate purpose of reaching the audience in the desired way. This degree is professionally accredited by the Media Federation of Australia. Also see Arts and Social Sciences (page 16). **Professional placement:** The Bachelor of Media and Communication (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Marketing and sales professional, public relations officer, advertising consultant, media planner, brand strategist.				
CINEMA AND SCREEN STUDIES				
Bachelor of Media and Communication (Professional) with a major in Cinema and Screen Studies [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Media and Communication with a major in Cinema and Screen Studies [H]	60+	3 yrs FT/6 yrs PT		V or D
Explore moving-image traditions and theories. Develop screen-specific research and writing skills, and become prepared for roles in media organisations and across a range of creative industries. Also see Arts and Social Sciences (page 16). **Professional placement:** The Bachelor of Media and Communication (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, broadcast presenter, film researcher, production coordinator, community arts worker.				
CREATIVE WRITING AND LITERATURE				
Bachelor of Media and Communication (Professional) with a major in Creative Writing and Literature [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Media and Communication with a major in Creative Writing and Literature [H]	60+	3 yrs FT/6 yrs PT		V or D
Gain an understanding of creative text and popular culture in literature. Develop models for your own writing and critiquing skills in literature, while exploring subjects such as self and society. Also see Arts and Social Sciences (page 16). **Professional placement:** The Bachelor of Media and Communication (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, publisher, writer, editor, screenwriter, producer, advertising consultant.				
DIGITAL ADVERTISING TECHNOLOGY				
Bachelor of Media and Communication (Professional) with a major in Digital Advertising Technology [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Media and Communication with a major in Digital Advertising Technology [H]	60+	3 yrs FT/6 yrs PT		V or D
Gain the skills to produce tailored content, manage campaigns and evaluate analytics. This major has been developed in consultation with Adobe and industry partners. Also see Arts and Social Sciences (page 16). **Professional placement:** The Bachelor of Media and Communication (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, publisher, writer, editor, social media officer, digital advertising specialist, digital marketing executive.				

Media and Communications

Course	ATAR	Duration	Prerequisites	Apply
GAMES AND INTERACTIVITY				
Bachelor of Media and Communication (Professional) with a major in Games and Interactivity [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Media and Communication with a major in Games and Interactivity [H]	60+	3 yrs FT/6 yrs PT		V or D
Learn about the role of games in contemporary society and how games are developing as a cultural industry. Undertake a range of projects focusing on analog and digital games, and develop practical and creative research and communication skills in a games lab environment. Become equipped with the skills needed to work in the rapidly evolving games industry as well as the broader digital media sector. Also see Arts and Social Sciences (page 16) and Games and Animation (page 59). **Professional placement:** The Bachelor of Media and Communication (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Game developer, media producer, multimedia developer, video games developer.				
JOURNALISM				
Bachelor of Media and Communication (Professional) with a major in Journalism [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Media and Communication with a major in Journalism [H]	60+	3 yrs FT/6 yrs PT		V or D
Combine traditional journalistic skills with online publishing, multimedia production and the skills required for interacting with audiences, social networking and building online communities. Publish and broadcast work in online, television, radio and print outlets. Also see Arts and Social Sciences (page 16). **Professional placement:** The Bachelor of Media and Communication (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, publisher, writer, editor, digital advertising specialist, television presenter, radio presenter.				
Diploma of Screen and Media CUF50107 specialising in Broadcast Journalism [H]	RC	1 yr FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience	V or D
Engage in current digital production techniques, photojournalism, digital storytelling, writing persuasive copy, undertaking weekly live-to-air radio programs, conducting interviews and producing dynamic content. Participate in a hands-on, cross-platform citizen journalism approach to assignments. **Career opportunities:** Journalist, television presenter, radio presenter, producer, director, media buyer, production coordinator.				
MEDIA AND COMMUNICATION				
Bachelor of Media and Communication (Professional) [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Media and Communication [H]	60+	3 yrs FT/6 yrs PT		V or D
Prepare for a career in the media, communications and multimedia industries with this broad and practical course. Learn about how the media is evolving through an examination of issues such as ownership, control of the media and the impact of new media technologies on society. Develop professional communication skills. The advertising major is professionally accredited by the Media Federation of Australia. **Professional placement:** The Bachelor of Media and Communication (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Marketing and sales professional, media officer, public relations officer, advertising consultant, journalist, writer.				
Bachelor of Media and Communication/Bachelor of Business [H]	60+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Learn how to think critically and to develop problem-solving skills, research issues and analyse information. Gain an understanding of media and media production, public relations and the impact of design on these specialised areas of communication. Professional accreditation: See Bachelor of Business (page 30) and Bachelor of Media and Communication. **Career opportunities:** Marketing and sales professional, media officer, public relations officer, advertising consultant.				

Course	ATAR	Duration	Prerequisites	Apply
MEDIA				
Bachelor of Media and Communication (Professional) with a major in Media Industries [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Media and Communication with a major in Media Industries [H]	60+	3 yrs FT/6 yrs PT		V or D
Develop the knowledge and skills needed to understand and prepare for roles in the media environment. Gain experience in making connections with industry. Also see Arts and Social Sciences (page 16). **Professional placement:** The Bachelor of Media and Communication (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Public relations officer, advertising consultant, journalist, communications coordinator, content developer, media policy developer.				
Bachelor of Media and Communication with a major in Media Studies [O] Learn current media theories and how to write for print, broadcast and digital media outlets. Engage in debate about globalisation, media ownership, policy and regulation, as well as advances in digital technologies and social media. Gain hands-on digital and communication experience through practical project units. **Career opportunities:** Public relations officer, advertising consultant, journalist, communications coordinator, content developer, media policy developer.	RC	3 yrs FT 6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	D
PROFESSIONAL WRITING AND EDITING				
Bachelor of Media and Communication (Professional) with a major in Professional Writing and Editing [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Media and Communication with a major in Professional Writing and Editing [H]	60+	3 yrs FT/6 yrs PT		V or D
Gain an understanding of industry laws and regulations, as well as writing and editing skills for novels, non-fiction, creative fiction, scripts, screenwriting, advertising and the web. **Professional placement:** The Bachelor of Media and Communication (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Journalist, publisher, writer, editor, communications officer, reporter, public relations officer.				
Diploma of Professional Writing and Editing 22091VIC [H] Learn about industry laws and regulations; gain skills in designing and developing text documents; and learn how to write and edit for novels, short stories, popular fiction, children's books and the web. **Career opportunities:** Journalist, publisher, writer, editor, public relations officer.	RC	1 yr FT 2 yrs PT	Certificate IV in Professional Writing and Editing or equivalent, or industry experience	V or D
Certificate IV in Professional Writing and Editing 22203VIC [H] Gain writing, editing and proofreading skills. **Career opportunities:** Journalist, writer, editor, proofreader.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Victorian Year 12 with Units 3 and 4 – a study score of at least 20 in English (any) or equivalent, or relevant work experience. Applicants must present a folio of work and attend an interview.	V or D

Media and Communications

Course	ATAR	Duration	Prerequisites	Apply
PUBLIC RELATIONS				
Bachelor of Media and Communication (Professional) with a major in Public Relations [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Media and Communication with a major in Public Relations [H]	60+	3 yrs FT/6 yrs PT		V or D
Bachelor of Media and Communication with a major in Public Relations [O]	RC	3 yrs FT/6 yrs PT		D
Prepare for a career working alongside designers of graphics, multimedia, websites, products and events. Learn the language of design to assist in writing effective design briefs. Produce a portfolio of work to show potential employers. This degree is professionally accredited by the Public Relations Institute of Australia. **Professional placement:** The Bachelor of Media and Communication (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Public relations officer, event manager, marketing manager, brand manager, project manager, advertising consultant.				
SOCIAL MEDIA				
Bachelor of Media and Communication (Professional) with a major in Social Media [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V
Bachelor of Media and Communication with a major in Social Media [H]	60+	3 yrs FT/6 yrs PT		V or D
Gain a comprehensive understanding of social media platforms within social, cultural and industry contexts. Learn how to analyse new and emerging media technologies and drive their use and innovation across industry. Also see Arts and Social Sciences (page 16). **Professional placement:** The Bachelor of Media and Communication (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Digital advertising specialist, social media officer, journalist, writer, editor, communications officer, content creator.				

Work at the Royal Children's Hospital

Each year one Swinburne psychology student has the chance to undertake a work placement at Melbourne's prestigious Royal Children's Hospital.

APAC accreditation

All Swinburne's undergraduate psychology degree options are accredited by the Australian Psychology Accreditation Council.

Swinburne Psychology Clinic

Our clinic is the largest university psychology clinic in Australia. It allows students who progress to postgraduate qualifications to gain valuable experience.

Psychology

swinburne.edu.au/psychology

Psychology at a glance

- Neuroscience
- Psychological Sciences
- Psychology and Forensic Science
- Psychology and Psychophysiology

Benefit from high-quality teaching and research

Swinburne's Brain and Psychological Sciences Research Centre promotes research that aims to affect the wellbeing of individuals, groups and the community. The centre encompasses a range of professionals, including psychologists, neuroscientists, cognitive specialists and statisticians.

Undertake honours

Swinburne offers an Australian Psychology Accreditation Council-accredited honours (fourth) year in psychology.

The best part of my course is how versatile, dynamic and flexible it has been. I've studied on campus and online, and I've explored my interests in biomedical physiology, politics, and media and communications, including taking on a PR internship.

Ellie

Studying psychology

Dean's Outstanding Achievement Scholarship recipient

2016 Swinburne student ambassador

Preview your Psychology degree

Some degrees offer highly specialised teaching. They feature extra core units, designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Sample degree structure: Bachelor of Psychological Sciences (one co-major and electives)

Year 1	Semester 1	Core	Co-Major	Co-Major	Elective
	Semester 2	Core	Core	Core	Co-Major
Year 2	Semester 1	Core	Core	Co-Major	Co-Major
	Semester 2	Core	Core	Co-Major	Elective
Year 3	Semester 1	Core	Core	Co-Major	Elective
	Semester 2	Core	Core	Co-Major	Elective

Some majors are highly specialised and include more units of study to prepare you for a career in your chosen field.

Sample degree structure: Bachelor of Health Science with a major in Psychology and Psychophysiology

Year 1	Semester 1	Core	Core	Core	Elective
	Semester 2	Core	Major 1	Major 1	Major 1
Year 2	Semester 1	Major 1	Major 1	Major 1	Major 1
	Semester 2	Major 1	Major 1	Major 1	Elective
Year 3	Semester 1	Major 1	Major 1	Major 1	Major 1
	Semester 2	Major 1	Major 1	Major 1	Major 1

Course	ATAR	Duration	Prerequisites	Apply
NEUROSCIENCE				
Bachelor of Health Science (Professional) with a major in Neuroscience [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V
Bachelor of Health Science with a major in Neuroscience [H]	60+	3 yrs FT/6 yrs PT		V or D
Learn about biology, physiology and psychophysiology, and neuroimaging. Understand how the human brain and nervous system work. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Medical researcher, neuroscientist, hospital scientist, hospital technologist.				
PSYCHOLOGICAL SCIENCES				
Bachelor of Psychological Sciences [H]	60+	3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Bachelor of Psychological Sciences [O]	RC	3 yrs FT/6 yrs PT		D
Gain the knowledge and skills to understand and explain human behaviour and relationships. Learn about abnormal psychology, cognition, developmental psychology, psychological assessment, personality, social psychology and statistics, as well as biology, chemistry and physiology. The three-year undergraduate major in psychology is professionally accredited by the Australian Psychology Accreditation Council. **Career opportunities:** Psychologist, social welfare consultant, medical researcher, child safety officer, clinical worker, health officer, child development officer.				
Bachelor of Psychology (Honours) [H]	80+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)	V or D
Attend postgraduate-level presentations and workshops, and participate in research projects. Gain the knowledge and skills to understand and explain human behaviour and relationships. Learn about abnormal psychology, cognition, developmental psychology, psychological assessment, personality, social psychology and statistics, as well as biology, chemistry and physiology. The four-year undergraduate major in psychology is professionally accredited by the Australian Psychology Accreditation Council. **Career opportunities:** Psychologist, social welfare consultant, medical researcher, child safety officer, clinical worker, health officer, child development officer.				
PSYCHOLOGY AND FORENSIC SCIENCE				
Bachelor of Health Science (Professional) with a major in Psychology and Forensic Science [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V
Bachelor of Health Science with a major in Psychology and Forensic Science [H]	60+	3 yrs FT/6 yrs PT		V or D
Gain specialist knowledge about the application of psychology to aspects of the law, the justice system and forensic science, as well as statistical skills relevant to forensic issues. Complete research projects, specialist units in research design and project units related to forensic psychology. The three-year undergraduate major in psychology is professionally accredited by the Australian Psychology Accreditation Council. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Psychologist, forensic psychologist, behavioural therapist, medical researcher, counsellor, youth worker.				
PSYCHOLOGY AND PSYCHOPHYSIOLOGY				
Bachelor of Health Science (Professional) with a major in Psychology and Psychophysiology [H]	80+	3.5–4 yrs FT/8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). It is recommended that applicants have completed some prior study in Mathematics.	V
Bachelor of Health Science with a major in Psychology and Psychophysiology [H]	60+	3 yrs FT/6 yrs PT		V or D
Gain a broad introduction to a range of relevant studies in psychology, including cognition, developmental psychology, social psychology, personality, design and measurement, psychological measurement and abnormal psychology. Learn about physiological processes relevant to the study of psychology and address neuroanatomy; neurophysiology; physiological responses to sleep, dreaming, memory and cognition; and brain disorders. The three-year undergraduate major in psychology is professionally accredited by the Australian Psychology Accreditation Council. **Professional placement:** The Bachelor of Health Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Psychologist, psychophysiologist, scientist, technologist.				

WHY SWINBURNE?

World-ranked in physics

In 2015 the Academic Ranking of World Universities again named Swinburne a top 100 research university in the field of physics.

Access state-of-the-art equipment

Our science degrees have an intensive lab skills focus, so we offer all of our students access to our high-tech instrumentation.

World-ranked in science

For the first time, Swinburne has ranked in the top 200 institutions in the world in science, rated by the 2016 Academic Ranking of World Universities by Broad Subject Fields. This ranking positions Swinburne in the top 10 universities in Australia, and the top three universities in Victoria.

Science

swinburne.edu.au/science

Science at a glance

- Applied Mathematics
- Biochemistry
- Biotechnology
- Chemistry
- Environmental Science
- Laboratory Technology
- Physics

Professional recognition

Our science courses are recognised by leading industry organisations. Graduates may be eligible for membership of a number of organisations relevant to their major area of study, including the Association of Professional Engineers, Scientists and Managers, Australia; Australian Biotechnology Association; Australian Institute of Physics; Australian Society for Biochemistry and Molecular Biology; Australian Society for Microbiology; and Royal Australian Chemical Institute.

Double degrees may provide additional opportunities for membership of leading industry organisations.

I switched majors to do what I enjoy the most (maths!) but Swinburne has allowed me to stay involved in the visual neuroscience lab, where I completed an internship. We got to present our research at conferences and are currently working on new research and papers towards publication. I don't think I would have had such opportunities presented to me at other universities – I chose Swinburne as experience can never be replaced by academic ranking.

Ruxander

Studying applied mathematics

Preview your Science degree

Our standard three-year degrees comprise 24 units of study.

You'll complete core units designed to prepare you with essential skills and knowledge relevant to your chosen degree.

Many degrees also offer the flexibility to choose a second major – either from your area of study or from another discipline – as well as elective units. A Work Integrated Learning option, like a paid work placement or an industry study tour, is a great way to gain practical experience while earning credit towards your degree.

Enjoy more clarity, choices and flexibility in your studies at Swinburne.

Sample degree structure: Bachelor of Science (two majors)

Year 1	Semester 1	Core	Core	Core	Core
	Semester 2	Core	Major 1	Major 1	Major 2
Year 2	Semester 1	Major 1	Major 1	Major 2	Major 2
	Semester 2	Core	Major 1	Major 1	Major 2
Year 3	Semester 1	Core	Major 1	Major 2	Major 2
	Semester 2	Core	Major 1	Major 2	Major 2

Professional degrees offer a guaranteed 12-month, paid work placement. This means you'll receive invaluable full-time work experience and credit towards your degree.

Sample degree structure: Bachelor of Science (Professional) (one major and electives)

Year 1	Semester 1	Core	Core	Core	Core
	Semester 2	Core	Major 1	Major 1	Elective
Year 2	Semester 1	Major 1	Major 1	Major 1	Major 1
	Winter Term	Elective	Elective		
	Semester 2	Core	Elective	Elective	Elective
Year 3	Semester 1	Professional Placement Co-Major		Professional Placement Co-Major	
	Semester 2	Professional Placement Co-Major		Professional Placement Co-Major	
Year 4	Semester 1	Core	Core	Major 1	Major 1

Science

Course	ATAR	Duration	Prerequisites	Apply
APPLIED MATHEMATICS				
Bachelor of Science (Professional) with a major in Applied Mathematics [H] **Bachelor of Science with a major in Applied Mathematics [H]** Gain a broad understanding of mathematical and numerical methods used to describe phenomena and to predict behaviours. Explore how to make sense of big data and complexity. Learn to model fundamental processes in physical and life sciences, industry, social sciences, consumer behaviour and finance. **Professional placement:** The Bachelor of Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Data analyst, quantitative analyst, mathematical modeler, scientific programmer, actuary, meteorologist and climate modeler.	80+ 65+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); Units 3 and 4: a minimum study score of 20 in any Mathematics	V V or D
BIOCHEMISTRY				
Bachelor of Science (Professional) with a major in Biochemistry [H] **Bachelor of Science with a major in Biochemistry [H]** Study the molecules of life and the fundamental nature of matter in terms of molecules, reactions and properties. Examine how biochemical knowledge can be applied to a range of industries and medical investigations, focusing on skills such as culturing microorganisms and investigating complex molecules such as enzymes and DNA. **Professional placement:** The Bachelor of Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Medical researcher, clinical biochemist, diagnostic laboratory scientist, pathologist.	80+ 65+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); Units 3 and 4: a minimum study score of 20 in any Mathematics	V V or D
BIOTECHNOLOGY				
Bachelor of Science (Professional) with a major in Biotechnology [H] **Bachelor of Science(with a major in Biotechnology [H]** Examine the fundamental sciences that underpin biotechnology – chemistry, biochemistry, microbiology and statistics – while investigating the application of biotechnology to areas such as business, ethics and environmental science. Complete major studies in chemistry, environmental science or other areas. **Professional placement:** The Bachelor of Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Medical researcher, clinical biochemist, diagnostic laboratory scientist, pharmaceutical scientist, forensic scientist.	80+ 65+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); Units 3 and 4: a minimum study score of 20 in any Mathematics	V V or D
CHEMISTRY				
Bachelor of Science (Professional) with a major in Chemistry [H] **Bachelor of Science with a major in Chemistry [H]** Learn far-reaching applications of chemistry, including forensic science, polymer formation, water analysis, the creation of new materials, agricultural chemistry, environmental science and analytical chemistry. **Professional placement:** The Bachelor of Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Medical researcher, clinical biochemist, diagnostic laboratory scientist, food/beverage production technician, pharmaceutical scientist.	80+ 65+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); Units 3 and 4: a minimum study score of 20 in any Mathematics	V V or D
ENVIRONMENTAL SCIENCE				
Bachelor of Science (Professional) with a major in Environmental Science [H] **Bachelor of Science with a major in Environmental Science [H]** Learn about the relationship between local, global, social and ecological issues and the responsibility of the different groups involved in sustainability. Gain scientific skills, such as chemistry, biology and microbiology, to address environmental sustainability in the future. **Professional placement:** The Bachelor of Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Environmental sustainability scientist, sustainability analyst, water quality expert, plant and animal breeder.	80+ 65+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); Units 3 and 4: a minimum study score of 20 in any Mathematics	V V or D

Course	ATAR	Duration	Prerequisites	Apply
LABORATORY TECHNOLOGY				
Diploma of Laboratory Technology MSL50109 with streams in Biotechnology, and Forensic and Pathology Testing [H] Gain a scientific education with a strong emphasis on the development of sound practical skills for the biotechnology sector or forensic science and pathology testing industry. **Career opportunities:** Forensic science officer, laboratory technician, research assistant.	RC	2 yrs FT 4 yrs PT	Satisfactory completion of Year 12 or equivalent, or relevant work experience	V or D
Certificate IV in Laboratory Techniques MSL40109 [H] Gain a scientific and technical education with a strong emphasis on the development of practical skills for the biosciences workplace. Become competent in meeting the technological and administrative demands of laboratory work. **Career opportunities:** Laboratory technician, instrument operator.	RC	1 yr FT 2 yrs PT	Satisfactory completion of Year 12 or equivalent, or relevant work experience	V or D
PHYSICS				
Bachelor of Science (Professional) with a major in Physics [H] **Bachelor of Science with a major in Physics [H]** Gain fundamental knowledge of classical and modern physics, astrophysics and the physics of nanoscience and technology, as well as hands-on experience in experimental physics. **Professional placement:** The Bachelor of Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Astrophysicist, renewable energy specialist, statistician, financial analyst, meteorologist, climate modeller, physicist.	80+ 65+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); Units 3 and 4: a minimum study score of 20 in any Mathematics	V V or D
SCIENCE				
Bachelor of Science (Professional) [H] **Bachelor of Science [H]** Gain a broad science overview with the ability to specialise through a range of majors. Gain the skills, knowledge and key theoretical insights required to work in a range of professional scientific environments. A distinctive feature of the course is the practical application of knowledge through project-based units of study. **Professional placement:** The Bachelor of Science (Professional) includes a guaranteed 12-month work placement. **Career opportunities:** Physicist, biologist, industrial chemist, food technologist, environmental scientist, laboratory technician, scientist.	80+ 65+	3.5–4 yrs FT/8 yrs PT 3 yrs FT/6 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); Units 3 and 4: a minimum study score of 20 in any Mathematics	V V or D
Bachelor of Arts/Bachelor of Science [H] Gain a general understanding of contemporary social and cultural developments, as well as a capacity to understand complex scientific information in a specialised field Professional accreditation: See Bachelor of Arts (page 18). **Career opportunities:** Physicist, biologist, industrial chemist, food technologist, environmental scientist, laboratory technician, scientist.	65+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
Bachelor of Education (Secondary)/Bachelor of Science [H] Gain a teaching qualification with the ability to teach science disciplines. Engage in innovative approaches to teaching and learning in a secondary school, as well as the ability to reflect on the social, ethical and professional expectations that the rise of technology brings to the classroom and the nature of learning. Professional accreditation: See Bachelor of Education (Secondary) (page 46). **Career opportunities:** Secondary school teacher.	65+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); Units 3 and 4: a minimum study score of 20 in any Mathematics. Applicants require police and working with children checks.	V or D
Bachelor of Engineering (Honours)/Bachelor of Science [H] Obtain theoretical and practical engineering knowledge by participating in workshops and industry projects. Undertake at least 12 weeks of relevant professional experience. Gain the skills and knowledge required to work in a range of professional scientific environments. Professional accreditation: See Bachelor of Engineering (Honours) (page 51). **Career opportunities:** Communications engineer, civil infrastructure engineer, biologist, industrial chemist, food technologist, environmental scientist.	75+	5 yrs FT 10 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods	V or D

Science

Course	ATAR	Duration	Prerequisites	Apply
SCIENCE (CONTINUED)				
Bachelor of Health Science/Bachelor of Science [H] Explore Australian and international health challenges. Examine the physical, psychological and social aspects of health in a variety of settings. Gain skills, knowledge and key theoretical insights required to work in a range of professional scientific environments. Professional accreditation: See Bachelor of Health Science (page 68). **Career opportunities:** Medical researcher, psychologist, data scientist, biomedical scientist, physical therapist, food scientist, biologist, industrial chemist, food technologist, environmental scientist.	65+	4 yrs FT 8 yrs PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
Diploma of Science (UniLink) [H] This higher education diploma provides an alternative pathway to the second year of a bachelor degree. The units are similar to those offered in the first year of a bachelor degree, but classes are smaller and students have more one-on-one time with teachers. **Career opportunities:** Laboratory assistant.	50+	8 mths FT 16 mths PT	Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics	V or D
Certificate IV in Science 22220VIC [H] Gain skills in mathematics, science, research and communication. These skills can help students to undertake further study, fulfil career aspirations or improve employment opportunities. **Career opportunities:** Laboratory assistant.	RC	1 yr FT 2 yrs PT	Basic literacy and numeracy skills	V or D

KEY **C** Croydon | **EV** External venue | **D** Direct | **FT** Full-time | **H** Hawthorn | **N/A** Not applicable | **O** Online | **PT** Part-time | **RC** Range of criteria | **V** VTAC | **W** Wantirna

WHY SWINBURNE?

Getting you job-ready

Careers begin with courses that are proven. At Swinburne, we've been offering trades qualifications for more than 100 years.

Earn while you learn

From building and construction to electronics and horticulture, Swinburne offers apprenticeships in a wide range of areas. There's no better way to combine paid work with training.

Award-winning students

Our students and graduates are regularly recognised by industry for their achievements. In 2014 Swinburne graduate Melinda Lethbridge was named Australian Apprentice of the Year. In 2016 Melinda took out gold at the WorldSkills Australia National Competition.

Trades

swinburne.edu.au/trades

Steven travelled to India and Cambodia as part of Swinburne Global Tradies, a program that enables students to volunteer their time and skills to build in developing communities. He helped raise $25,000 for building materials for an arts centre in Kampot, Cambodia.

"The whole experience was awe-inspiring and mind-blowing. It was great to work side-by-side with the local tradesmen, being able to learn different building techniques."

Steven

Carpentry, and building and construction graduate
Apprentice of the Year, 2016 Victorian Training Awards

I've learnt everything I need to know to get started in my field, and I've made great friendships with students and teachers.

Jayden

Studying electrotechnology electrician

Head to **www.swinburne.edu.au/trades** to take a virtual tour of our trades facilities.

Trades

Course	Duration	Prerequisites	Apply
BUILDING AND CONSTRUCTION			
Advanced Diploma of Building Design (Architectural) 22268VIC [C] [H] Learn about building theory and practice to design and develop drawings for residential, industrial and commercial buildings. Develop specialist skills and knowledge in design, problem-solving, construction technology, computer-aided drafting and project administration. This course meets the academic requirement for application to the Victorian Building Authority to become a registered building design practitioner. **Career opportunities:** Architectural drafter, commercial building designer, residential building designer.	2 yrs FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience, or qualified tradesperson and practising building designer	V or D
Diploma of Building and Construction (Building) CPC50210 [H] Learn about building theory and practice related to managing and supervising the construction of residential, industrial and commercial buildings. Develop skills and knowledge in reading plans, estimating, scheduling, construction technology, site supervision, surveying, contracts and business management. This course meets the academic requirement for application to the Victorian Building Authority to become a registered building practitioner. **Career opportunities:** Builder, building manager, estimator, foreperson, project manager, site manager.	1.5 yrs FT	Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience, or qualified tradesperson and practising building supervisor; applicants may be required to attend an interview	V or D
Certificate IV in Building and Construction (Building) CPC40110 [C] Learn the theory and practice needed to construct residential building projects. Gain skills and knowledge to read plans, work safely, estimate, schedule, prepare a tender and supervise construction works. **Career opportunities:** Builder, construction manager, trade contractor.	5 mths PT	Relevant construction industry experience, or undertaking an apprenticeship in the building industry	D
Certificate III in Bricklaying/Blocklaying CPC30111 [C] Learn how to construct housing and undertake general bricklaying work for residential and commercial applications. Available as an apprenticeship. **Career opportunities:** Bricklayer, blocklayer.	3 yrs PT	At least 15 years of age and apprenticed to an employer	D
Certificate III in Carpentry CPC30211 [C] Learn about residential and commercial construction, safety, demolition, drawing, frameworks, hand and power tools, and small plant and equipment. Available as an apprenticeship. **Career opportunities:** Carpenter, carpenter and joiner.	3 yrs PT	At least 15 years of age and apprenticed to an employer	D
Certificate II in Building and Construction (Carpentry) (Pre-apprenticeship) 22216VIC [C] [W] Learn how to use hand and power tools, lean about small plant and equipment, and gain an understanding of building plans and documents. Available as a pre-apprenticeship. **Career opportunities:** Apprentice carpenter and joiner, apprentice painter, apprentice tiler.	12 wks FT	Satisfactory completion of Year 10 or equivalent, or relevant work experience	D
Certificate II in Building and Construction (Bricklaying) (Pre-apprenticeship) 22216VIC [C] Learn about bricklaying hand tools and selected power tools. Gain the practical skills in brick construction processes that employers are looking for. Available as a pre-apprenticeship. **Career opportunities:** Apprentice bricklayer, apprentice carpenter and joiner, apprentice cabinet maker, plasterer, painter and decorator, wall and floor tiler.	12 wks FT	Satisfactory completion of Year 10 or equivalent, or relevant work experience	D
ELECTRICAL			
Certificate III in Electronics and Communications UEE30911 [H] Gain a broad background in electronics, with an emphasis on digital technology, gate array technologies and the application of microcontrollers, communications and analogue electronics. Learn how to commission, test, evaluate and diagnose faults in electronic systems and associated apparatus. Available as an apprenticeship. **Career opportunities:** Electrician, tradesperson, telecommunications technician.	4 yrs PT	Satisfactory completion of Year 11 or equivalent, or relevant work experience	D
Certificate III in Electrotechnology Electrician UEE30811 [C] [W] Designed for people who are employed as electrical apprentices. Complete practical and theory units to develop the necessary skills and knowledge to work at trade level in the electrical industry. Available as an apprenticeship. **Career opportunities:** Electrician, tradesperson, telecommunications technician.	4 yrs PT	At least 17 years of age and apprenticed to an employer	D

Course	Duration	Prerequisites	Apply
Certificate II in Electrotechnology Studies (Pre-vocational) 22261VIC [C] [W] Gain knowledge and employability skills relevant to the electrical trade. Students who successfully complete the course will gain credit towards the four-year TAFE component of the Certificate III in Electrotechnology Electrician course undertaken by apprentice electricians. Available as a pre-apprenticeship. **Career opportunities:** Trainee electrician, trainee telecommunications technician.	10 wks FT	None	D
ENGINEERING			
Certificate III in Engineering – Fabrication Trade MEM30305 [W] Gain skills in engineering drawing, fabrication, hand and power tools, sheet metal and welding. Available as an apprenticeship. **Career opportunities:** Mechanic, tool and die maker, toolmaker, boilermaker, welder.	3 yrs PT	At least 15 years of age and apprenticed to an employer	D
Certificate III in Engineering – Mechanical Trade MEM30205 [W] Learn about engineering drawing, hand and power tools and measuring equipment, operating computer-controlled machines, performing general machining, performing routine sharpening of tools and welding. Available as an apprenticeship. **Career opportunities:** Mechanic, tool and die maker, toolmaker, boilermaker.	3 yrs PT	At least 15 years of age and apprenticed to an employer	D
Certificate II in Engineering Studies 22209VIC [W] Learn basic machining skills, hand and power tools, and how to produce engineering components and drawings. Available as a pre-apprenticeship. **Career opportunities:** CNC machine operator, equipment maintainer, equipment repairer.	10 wks FT	At least 15 years of age	D
HORTICULTURE AND LANDSCAPE			
Certificate III in Horticulture AHC30716 [W] Gain skills and knowledge to meet the needs of various sectors in the horticulture industry. Choose from streams in nursery, parks and gardens, or landscape construction. **Career opportunities:** Gardener, grounds keeper, garden maintenance worker.	1 yr FT 2 yrs PT	At least 15 years of age	D
Certificate III in Landscape Construction AHC30916 [W] Learn about concrete/brick/block/stone structures and features, drainage systems, paving and retaining wall projects, plants and their culture, and soil profiles. Available as an apprenticeship. **Career opportunities:** Landscape gardener.	3 yrs PT	None	D
Certificate III in Parks and Gardens AHC31016 [W] Gain skills in advising on plants and plant products, machinery and equipment, propagation, recognising plants, and soil and plant nutrition. Available as an apprenticeship and a traineeship. **Career opportunities:** Production nursery tradesperson.	1 yr FT 3 yrs PT	At least 15 years of age and apprenticed to an employer	D
Certificate III in Production Nursery AHC31116 [W] Gain skills in advising on plants and plant products, machinery and equipment, propagation, recognising plants, and soil and plant nutrition. Available as an apprenticeship. **Career opportunities:** Production nursery tradesperson.	3 yrs PT	At least 15 years of age and apprenticed to an employer	D
Certificate III in Retail Nursery AHC31216 [W] Learn how to operate successfully in the horticulture industry. Gain theory and practical training based around a real nursery environment. **Career opportunities:** Nursery sales assistant, garden centre sales assistant.	1.5 yrs FT 3 yrs PT	None	D
Certificate III in Rural Operations AHC32816 [W] Gain training, skills and knowledge relevant to the agriculture, horticulture, conservation and land management industries. **Career opportunities:** Local government consultant, site inspector, tour leader, environmental consultant.	1.5 yrs PT	None	D

Trades

Course	Duration	Prerequisites	Apply
HORTICULTURE AND LANDSCAPE (CONTINUED)			
Certificate II in Conservation and Land Management AHC21010 [W] Develop skills in and knowledge of plants and animals, natural area restoration, wildlife and pest management, and soil and water conservation. **Career opportunities:** Conservation worker, pest management assistant.	6 mths FT 1 yr PT	None	D
Certificate II in Horticulture AHC20410 [W] Gain skills in planting, pruning, recognising plants and communicating in the workplace. Available as an apprenticeship. **Career opportunities:** Assistant gardener, horticulture assistant, horticulture worker, garden centre sales assistant.	6 mths FT 2–3 yrs PT	Satisfactory completion of Year 10 or equivalent, or relevant work experience	D
PLUMBING			
Certificate IV in Plumbing and Services CPCH0912 [C] Become equipped with the skills and knowledge to sit the Plumbing Industry Commission's Licence-level exams. **Career opportunities:** Air conditioning technician, fire services supervisor, plumbing contractor, specialist hydraulic designer.	2 yrs PT	Satisfactory completion of relevant competencies from Certificate III in Plumbing	D
Certificate III in Plumbing CPC32413 [C] Learn about gas installation, hand and power tools, roofing water supply, sanitation and drainage, and scaffolding. Available as an apprenticeship. **Career opportunities:** Plumber, plumber and drainer, plumber and gasfitter, roof plumber.	4 yrs PT	At least 15 years of age and apprenticed to an employer	D
Certificate II in Plumbing (Pre-apprenticeship) 22304VIC [C] Learn about building structures; plumbing fixtures, fittings and appliances; tubes and pipes in plumbing; and workplace safety and environmental procedures. Available as a pre-apprenticeship. **Career opportunities:** Apprentice plumber.	12 wks FT	Basic literacy and numeracy skills	D

KEY **C** Croydon | **EV** External venue | **D** Direct | **FT** Full-time | **H** Hawthorn | **N/A** Not applicable | **O** Online | **PT** Part-time | **RC** Range of criteria | **V** VTAC | **W** Wantirna

Foundation skills for work and study

swinburne.edu.au/studyskills

Gain lifelong skills for work and study

Swinburne offers programs for students who have had little formal education. They are also helpful for anyone from a non-English speaking background.

Courses are available in a range of areas and at a variety of levels. They will improve your confidence and help you prepare for further education. They can also improve your employment opportunities.

Swinburne foundation skills courses can help you with:

- reading and writing English
- speaking and listening skills
- maths skills
- career planning
- foundation computer skills
- progressing to higher levels of study.

Students in Swinburne's Young Mum's Program

Empowering young mothers

The Young Mums Victorian Certificate of Applied Learning Program provides an opportunity for mothers aged between 15 and 20 to finish secondary school and enter university. The course teaches numeracy, literacy, personal development and work-related skills.

Foundation skills

Course	ATAR	Duration	Prerequisites	Apply
BRIDGING COURSES				
Certificate IV in Science 22220VIC [H] Gain skills in mathematics, science, research and communication. These skills can help students to undertake further study, fulfil career aspirations or improve employment opportunities. **Career opportunities:** Laboratory technician.	RC	1 yr FT 2 yrs PT	Basic literacy and numeracy skills	V or D
MathsLink Bridging Program (Further) [O] Further Mathematics is a prerequisite for many degrees in aviation, education, health science, information and communication technologies, and science. This bridging program is designed to help students who have not studied Units 3 and 4 Further Mathematics to meet the prerequisites for entry into their chosen course.	N/A	7 wks FT	Successful completion of any mathematics Units 1 and 2 subject	D
MathsLink Bridging Program (Methods) [O] Mathematical Methods is a prerequisite for many degrees in aviation, engineering, and information and communication technologies. This bridging program is designed to help students who have not studied Units 3 and 4 Mathematical Methods to meet the prerequisites for entry into their chosen course.	N/A	7 wks FT	Successful completion of Units 1 and 2 Mathematical Methods	D
ENGLISH AS A SECOND LANGUAGE				
Certificate IV in EAL (Further Study) 22258VIC [H] Develop upper-intermediate to advanced levels of English in listening, speaking, reading and writing. Undertake electives related to the Australian workplace or further study.	N/A	6 mths FT 1 yr PT	English is not the first language spoken	D
Certificate III in EAL (Access) 22253VIC [W] Develop intermediate to upper-intermediate levels of English in listening, speaking, reading and writing. Undertake electives related to the Australian workplace or further study.	N/A	6 mths FT 1 yr PT	English is not the first language spoken	D
Certificate I/II/III in Spoken and Written English 10362NAT/10363NAT/10364NAT [C] [H] [W] These courses focus on general language development; oral and written skills from beginner to post-beginner and pre-intermediate levels; and settlement issues. Certificate III has a greater focus on further study or work preparation.	N/A	6 mths FT 1 yr PT	English is not the first language spoken	D
Course in Preliminary Spoken and Written English 10361NAT [C] [W] A foundation course for learners who have limited or no formal schooling, no literacy skills in English and who may not have literacy skills in their first language.	N/A	6 mths FT 1 yr PT	English is not the first language spoken	D
GENERAL EDUCATION FOR ADULTS				
Certificate I/II/III in General Education for Adults 22236VIC/22237VIC/22238VIC [C] [W] Improve skills in reading, writing, mathematics, oral communication and computer use. There is also a strong emphasis on improving self-confidence, developing further training and vocational pathways, and preparing for employment.	N/A	19 wks FT 38 wks PT	Applicants may enter at a range of skill levels, but must be able to speak some English	D
Certificate I in General Education for Adults (Introductory) 22235VIC [C] [W] Improve skills in reading, writing, mathematics, oral communication and computer use. There is also a strong emphasis on improving self-confidence, developing further training and vocational pathways, and preparing for employment.	N/A	19 wks FT 38 wks PT	Applicants may enter at a range of skill levels, but must be able to speak some English	D

Course	ATAR	Duration	Prerequisites	Apply
VCAL				
Victorian Certificate of Applied Learning – Senior [C] [W] The VCAL program is a senior-school certificate based on vocationally oriented applied-learning principles. The course may allow students to study other vocational certificates while studying the core VCAL certificate.	N/A	1 yr FT	Applicants should be 16 to 19 years of age and have completed Year 11 or equivalent, and should have left or be leaving school	D
Victorian Certificate of Applied Learning – Intermediate [C] [W] The VCAL program is a senior-school certificate based on vocationally oriented applied-learning principles. The course may allow students to study other vocational certificates while studying the core VCAL certificate.	N/A	1 yr FT	Applicants should be 16 to 19 years of age and have completed Year 10 or equivalent, and should have left or be leaving school	D


SWINBURNE
SWINBURNE
SWINBURNE

KEY DATES

Throughout 2017
One-on-one course adviser appointments

Swinburne Open Day
30 July 2017
Hawthorn campus
swinburne.edu.au/openday

CAMPUSES

Hawthorn campus
John Street, Hawthorn

Croydon campus
12–50 Norton Road, Croydon

Wantirna campus
369 Stud Road, Wantirna

Sarawak campus
Kuching, Sarawak, Malaysia

FURTHER INFORMATION

1300 275 794
study@swinburne.edu.au
swinburne.edu.au/study

CRICOS Provider Code: 00111D

Training Organisation Identifier: 3059