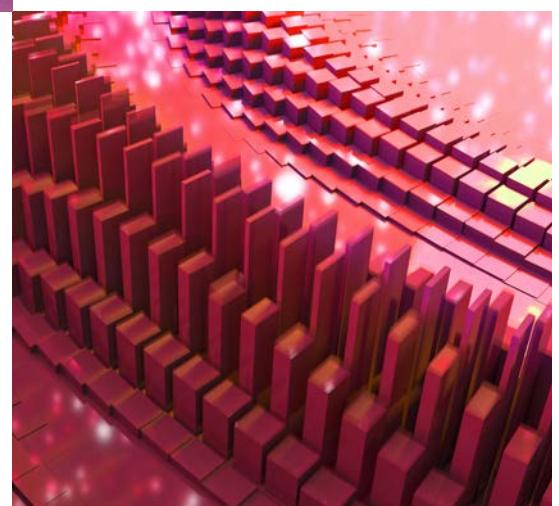


# Undergraduate degrees and pathways

\_2022



University as you know it is getting an upgrade.

With guaranteed real industry experience in all Swinburne bachelor degrees. Because learning should be both upload and download. With innovative courses, co-created with industry. And the first Adobe Creative Campus in Australia. Because digitally-literate you is highly hireable you.

At Swinburne, you'll meet thinkers, makers and doers – not of tomorrow, but of today.

So, join the uni that's reinventing uni.

And become the next gen of yourself, now.



Front cover images, from left to right 1. A member of The Deeper, Wider, Faster (DWF) program, a global collaboration to find and understand astrophysical explosions, led by Swinburne. 2. A render of neutron stars merging and emitting gravitational waves.

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# Making our mark everywhere we go

**With a degree from Swinburne, you can go anywhere in the world.**

Melbourne. Milan. Malaysia. Our graduates are spread around the globe and work for some of the most dynamic organisations, from startups to not-for-profits to multinationals.

A degree from Swinburne means you'll have the prestige of a globally renowned university paired with the confidence that comes from genuine workplace experience.

When you graduate, you'll become one of thousands of Swinburne graduates around the world who are writing their own success stories.

And that's all because a degree from Swinburne sets you up for life.



<b>#1</b>	for student satisfaction in Melbourne In Information Technology
<b>BEST IN MELBOURNE</b>	for staff to student interaction and support services In Business
<b>WE ARE AACSB ACCREDITED</b>	Only 5% of the world's business schools share this honour Association to Advance Collegiate Schools of Business

## In demand and paid more

Business	Information Technology	Design	Engineering	Education	Psychology
<b>9.3%</b> What our grads earn over the Australian average. <b>Highest in Melbourne</b>	<b>84%</b> of our graduates find jobs within 4 months of finishing their course.	<b>85%</b> of our graduates find jobs within 4 months of finishing their course.	<b>2.3%</b> what our grads earn over the Australian average	<b>78%</b> of our graduates find jobs within 4 months of finishing their course.	<b>5.3%</b> What our grads earn over the Australian average. <b>Highest in Melbourne</b>

## Our grads work for the biggest and best

**North And South America**  
Tesla, Microsoft, Amazon, Deloitte, Salesforce, Morgan Stanley, Pfizer, Goldman Sachs, PayPal, Facebook.

**Europe**  
Diageo, PwC UK, University of Cambridge, British Airways, Deloitte UK, Google, American Express, HSBC, Adidas, IBM.

**Asia**  
Ernst & Young, Shell, Intel, Nokia, Apple, Accenture, IBM, Microsoft, Dell, Telstra.



Sources: Student Experience Survey 2018 and 2019, Graduate Outcomes Survey 2018-2020

# Guaranteed real industry experience

At Swinburne, we guarantee you'll get real industry experience before you graduate.

No fine print. No exceptions.

Every bachelor degree we offer includes a work integrated learning experience.

From placements and internships to industry-linked projects.

Develop the practical skills that employers are seeking and make your CV the one that stands out. That successful, satisfied 2.0 version of you will be glad you did.

## Work Integrated Learning

Practical experience will help you get a job. And the more you can score before you graduate, the closer you'll be to cracking your career goals. Boost your CV and get that all-important foot in the door with Swinburne's work integrated learning opportunities.



### Professional degrees

More than an ordinary bachelor degree, a professional degree is a premium university experience that comes with a 12-month full-time paid work placement opportunity. Look for degrees with (Professional) in the title.

Duration	Part of course	Paid	Credit
12 months	Yes	Yes	Yes



### Placements

Enhance your degree and employability by immersing yourself in a professional organisation for a 6- or 12-month full-time paid placement.

Duration	Part of course	Paid	Credit
6 or 12 months	No	Yes	Yes



### Internships

Connect your studies and professional practice with a part-time internship at a highly regarded organisation over a semester, or a summer or winter term.

Duration	Part of course	Paid	Credit
16-19 days	No	No	Yes



### Industry-linked projects

Group up and take on a live industry project, respond to an industry brief, solve a thorny industry problem, or get hands-on with the tools and methods used in your field of study.

Duration	Part of course	Paid	Credit
1-2 semesters	Yes	No	Yes



### Accreditation placements

In some study areas, work placements are a built-in requirement of your degree, providing you with vital hands-on experience in your discipline.

Duration	Part of course	Paid	Credit
Varies	Yes	No	Varies



### Overseas study tours

Take your degree around the world for academic credit. Overseas study tours give a global perspective on your industry.

Duration	Part of course	Paid	Credit
2-4 weeks	No	No	Yes



## Professional Purpose program

Want your work to be more than just a job? Cultivate your passion and your purpose into an inspired career with our Professional Purpose program.

Explore what matters to you, clarify your goals and align them to opportunities, then develop a plan to make them a reality. It's the type of thinking you can carry with you throughout your career.

The Professional Purpose program is delivered in a convenient mix of online modules and interactive workshops. It runs in parallel to any on-campus bachelor degree and only takes around three hours a year to complete. What's not to love?

# What's right for me: certificate, diploma or degree?

The beauty of choosing a university like Swinburne is that you get options. You can jump in to a standard three-year degree, you can undertake an apprenticeship, you can dip your toe in the water with a certificate or diploma then progress to higher education or go straight into work. You can even start your study journey now and go on to postgraduate study – like a master or PhD – down the track.

There are so many options at Swinburne, it's just a matter of choosing what's right for you.



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## Certificates and diplomas

Swinburne has been offering TAFE qualifications for more than 100 years. From apprenticeships to courses in engineering, IT, health, business and more, we've got you covered. Many of our vocational courses fall under the banner of 'nationally recognised training', which means they have standardised curriculums that are recognised and respected around Australia.

### Career progression

Gain skills that are in demand and get your hands on the latest tech and equipment used in industry. You'll graduate prepared to get a job, progress to the next level in your career or go on to higher education.

### 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. Meaning you get paid while earning a qualification!

## Degrees

Learn from industry experts and embrace work-based learning.

### Standard degrees

Our standard degrees are anything but. They're packed with practical skills, taught by experts in their fields and designed to give you an edge. They're also some of the most flexible degrees around. Sharpen your focus with a major, which will become your primary area of study.

### Degrees with honours

In some degrees, you can take on a fourth year to dive more deeply into your major area and develop your research skills. Many of our degrees, including some in design, engineering and psychology, have an integrated honours year.

### Double degrees

Double degrees are a great way to broaden your study experience and are highly respected by employers. Generally, they only add one extra year to a standard degree – so you could get six years' worth of study in four!

## Degree pathways

Don't have the qualifications to enrol directly in a bachelor degree? Here are some Plan Bs that will get you into your Plan A.

### UniLink diplomas

Not sure if jumping straight into a degree is for you? Or worried about not getting the ATAR you need? Generally equivalent to eight units of study (usually one year full-time), UniLink diplomas offer a more supportive style of learning and can provide a pathway to the second year of a related bachelor degree.

### Mathslink

Didn't do enough maths to get into your preferred Swinburne course? MathsLink is your answer. It's a bridging program for students who require Units 3 and 4 Mathematical Methods or Units 3 and 4 Further Mathematics to study at Swinburne. See page 97 for more.

Qualification	Certificate	Diploma	Advanced diploma or associate degree	Degree	Professional degree	Degree with honours	Double degree
Duration	Varies. From 10 weeks to 3 years.	Typically 1 year (Ranges from 6–24 months)	Typically 2 years (Ranges from 6–24 months)	Typically 3 years FT (4 years for law and education)	4 years FT	4 years FT	4–6.5 years FT
Work experience	Work placements and projects, and workplace simulations.	Work placements and projects, and workplace simulations.	Work placements and projects, and workplace simulations.	Options include professional placements, professional internships, accreditation placements, industry study tours and industry-linked projects.	12 month paid professional placement embedded in course.	Options include professional placements, professional internships, accreditation placements, industry study tours and industry-linked projects.	Options include professional placements, professional internships, accreditation placements, industry study tours and industry-linked projects.
Financial considerations	<ul style="list-style-type: none"> <li>• VET Student Loan</li> <li>• Skills First</li> <li>• Concessions</li> <li>• Free TAFE for Priority Courses*</li> <li>• JobTrainer**</li> </ul>	<ul style="list-style-type: none"> <li>• VET Student Loan</li> <li>• Skills First</li> <li>• Concessions</li> <li>• Free TAFE for Priority Courses*</li> <li>• JobTrainer**</li> </ul>	Advanced Diploma: <ul style="list-style-type: none"> <li>• VET Student Loan</li> <li>• Skills First</li> <li>• Concessions</li> <li>• Free TAFE for Priority Courses*</li> </ul> Associate Degree: <ul style="list-style-type: none"> <li>• HECS-HELP</li> </ul>	HECS-HELP	HECS-HELP	HECS-HELP	HECS-HELP
Entry requirements	Varies. For some courses, successful completion of Year 12 or equivalent relevant work experience.  For others, simply meeting the minimum age requirements.	Varies. Typically, successful completion of Year 12, equivalent relevant work experience, or completion of prior certificate.	Varies. Typically, successful completion of Year 12, equivalent relevant work experience, or completion of prior certificate.	Successful completion of Year 12. Plus, meeting ATAR requirements, prerequisite subjects and any extra requirements.	Successful completion of an Australian Year 12 program in the year prior to applying. Plus, meeting ATAR requirements, prerequisite subjects and any extra requirements.	Successful completion of Year 12. Plus, meeting ATAR requirements, prerequisite subjects and any extra requirements. Students must also maintain academic standards while at uni.	Successful completion of Year 12. Plus, meeting ATAR requirements, prerequisite subjects and any extra requirements.
Best suits	Many certificates, including apprenticeships, will suit students who are interested in a trade or vocational career and wish to enter the workforce sooner. Other certificates can provide a stepping stone to pathway into a diploma or degree or help you take the next step in your career.	Many diplomas will suit students seeking to upskill or enter the workforce sooner. Others will suit those seeking to pathway into a degree or take the next step in their career.	Students seeking to master a specific skillset who are looking for a more in-depth education than a diploma but don't require a bachelor qualification.	Students seeking a professional career who are ready for the next step in their education.	High achieving students who want to undertake one whole year of full-time work experience as part of their degree.	Students seeking a more in-depth study experience who are happy to complete a fourth year of study.	Students wishing to undertake a broad study experience across different study areas in order to achieve specific career goals.

\*Free TAFE for Priority Courses is a Victorian Government initiative that covers a select range of TAFE courses.

\*\*JobTrainer is a joint Commonwealth and State Government initiative which provides additional funding to increase access to free or low fee training places for young people and job seekers who have been most affected by the COVID-19 pandemic.

FT = Full time study

# Planning your future

If you didn't quite get the marks you were hoping for or you'd prefer to 'try before you buy', a pathway to a degree could be a great option for you. You'll start your higher education journey with a diploma, then progress into a degree with credit for the study you've already completed.

Below is a guide to some pathways with an official credit-transfer arrangement. Other pathways not listed here may or may not offer credit, but are still great options to get to where you want to go.

## Pathways\*

Diploma	Destination degree	Maximum credit for diploma <sup>†</sup>	Minimum time to complete degree <sup>‡</sup>
Advanced Diploma of Accounting FNS60217	Bachelor of Accounting Bachelor of Business	4-12 units 4-11 units	1.5 yrs 1.5 yrs+
Advanced Diploma of Building Design (Architectural) 22477VIC	Bachelor of Design (Architecture)	7 units	2 yrs+
Advanced Diploma of Engineering Technology 22479VIC – Civil Engineering Design	Bachelor of Engineering (Honours) Bachelor of Laws/Bachelor of Engineering (Honours)	12 units 9 units	2.5 yrs 5.5 yrs
Advanced Diploma of Engineering Technology – Electrical UEE62111	Bachelor of Engineering (Honours)/ Bachelor of Computer Science  Bachelor of Engineering (Honours)/ Bachelor of Science	7 units 8 units	4 yrs+ 4 yrs
Advanced Diploma of Engineering Technology 22479VIC – Mechanical Engineering Design	Bachelor of Engineering (Honours) Bachelor of Laws/Bachelor of Engineering (Honours)	12 units 8 units	2.5 yrs 5.5 yrs
Advanced Diploma of Engineering Technology 22479VIC – Mechatronics Engineering Design	Bachelor of Engineering (Honours) Bachelor of Laws/Bachelor of Engineering (Honours)	12 units 8 units	2.5 yrs 5.5 yrs
Advanced Diploma of Graphic Design CUA60315	Bachelor of Design	15-16 units	1 yr
Advanced Diploma of Interior Design MSF60118	Bachelor of Design Bachelor of Design (Interior Architecture) (Honours)	12 units 12 units	1.5 yrs 2.5 yrs
Advanced Diploma of Screen and Media CUA60615 – Animation	Bachelor of Animation Bachelor of Games and Interactivity/Bachelor of Animation	12 units 12 units	1.5 yrs 2.5 yrs
Advanced Diploma of Screen and Media CUA60615 – Film and Television	Bachelor of Arts Bachelor of Film and Television (Honours) Bachelor of Media and Communication Bachelor of Screen Production	12 units 16 units 12 units 12 units	1.5 yrs 2 yrs 1.5 yrs 1.5 yrs
Associate Degree of Engineering	Bachelor of Engineering (Honours) Bachelor of Engineering (Honours)/Bachelor of Business  Bachelor of Engineering (Honours)/Bachelor of Computer Science Bachelor of Engineering (Honours)/Bachelor of Science	16 units 12 units 11 units 12 units	2 yrs 3.5 yrs 3.5 yrs+ 3.5 yrs
Diploma of Accounting FNS50217	Bachelor of Accounting Bachelor of Business	2-8 units 2-8 units	2 yrs 2 yrs

Diploma	Destination degree	Maximum credit for diploma <sup>†</sup>	Minimum time to complete degree <sup>‡</sup>
Diploma of Arts and Communication (UniLink)	Bachelor of Arts Bachelor of Criminal Justice and Criminology Bachelor of Design/Bachelor of Media and Communication Bachelor of Games and Interactivity Bachelor of Health Science Bachelor of Health Science/Bachelor of Arts Bachelor of Health Science/Bachelor of Business Bachelor of Media and Communication Bachelor of Media and Communication/ Bachelor of Business	8 units 8 units 4 units 8 units 8 units 4 units 4 units 8 units 4 units	2 yrs 2 yrs 4.5 yrs 2 yrs 2 yrs 4.5 yrs 4.5 yrs 2 yrs 4.5 yrs
Diploma of Business BSB50215	Bachelor of Accounting Bachelor of Business	8 units 8 units	2 yrs 2 yrs
Diploma of Business (UniLink)	Bachelor of Accounting Bachelor of Business Bachelor of Business Information Systems Bachelor of Business Information Systems/Bachelor of Business Bachelor of Games and Interactivity Bachelor of Health Science Bachelor of Information and Communication Technology Bachelor of Media and Communication/Bachelor of Business	6-8 units 6-8 units 8 units 8 units 8 units 8 units 8 units 8 units	2 yrs 2 yrs 2 yrs 3 yrs 2 yrs 2 yrs 2 yrs 2.5 yrs
Diploma of Community Services CHC52015	Bachelor of Arts Bachelor of Media and Communication	8 units 8 units	2 yrs 2 yrs
Diploma of Design (UniLink)	Bachelor of Design Bachelor of Design/Bachelor of Business Bachelor of Design (Architecture) Bachelor of Design (Industrial Design) (Honours) Bachelor of Design (Interior Architecture) (Honours) Bachelor of Games and Interactivity	8 units 4 units 4 units 8 units 8 units 8 units	2 yrs 3.5 yrs 2.5 yrs 3 yrs 3 yrs 2 yrs
Diploma of Digital and Interactive Games ICT50215	Bachelor of Arts Bachelor of Computer Science Bachelor of Design Bachelor of Games and Interactivity Bachelor of Games and Interactivity/Bachelor of Animation Bachelor of Games and Interactivity/Bachelor of Computer Science Bachelor of Information and Communication Technology Bachelor of Media and Communication	8 units 4 units 8 units 8 units 2-4 units 4 units 8 units 8 units	2 yrs 2.5 yrs 2 yrs 2 yrs 3.5 yrs 3.5 yrs 2 yrs 2 yrs
Diploma of Early Childhood Education and Care CHC50113	Bachelor of Education (Early Childhood and Primary) Bachelor of Education (Early Childhood Teaching)	8 units 8 units	3 yrs 3 yrs
Diploma of Engineering (UniLink)	Bachelor of Aviation Bachelor of Aviation/Bachelor of Business Bachelor of Aviation Management Bachelor of Aviation Management/Bachelor of Business Bachelor of Engineering (Honours) Bachelor of Engineering (Honours)/Bachelor of Business Bachelor of Engineering (Honours)/Bachelor of Computer Science Bachelor of Engineering (Honours)/Bachelor of Science	4 units 4 units 4 units 4 units 8 units 8 units 8 units 8 units	2.5 yrs 3.5 yrs 2.5 yrs 3.5 yrs 3 yrs 4 yrs 4 yrs 4 yrs
Diploma of Event Management SIT50316	Bachelor of Accounting Bachelor of Business	8 units 0-8 units	2 yrs 2 yrs
Diploma of Graphic Design CUA50715	Bachelor of Design	8 units	2 yrs
Diploma of Health Science (UniLink)	Bachelor of Exercise and Sport Science Bachelor of Health Science** Bachelor of Health Science/Bachelor of Arts Bachelor of Psychological Sciences Bachelor of Science	5 units 8 units 8 units 8 units 8 units	2.5 yrs 2 yrs 3 yrs 2 yrs 2 yrs

\*\*Excludes the majors in Psychology and Forensic Science, and Psychology and Psychophysiology. \*

Diploma	Destination degree	Maximum credit for diploma <sup>†</sup>	Minimum time to complete degree <sup>‡</sup>
Diploma of Human Resources Management BSB50618	Bachelor of Accounting Bachelor of Business	8 units 0-8 units	2 yrs 2 yrs
Diploma of Information Technology (UniLink)	Bachelor of Accounting Bachelor of Business Bachelor of Business Information Systems Bachelor of Business Information Systems/Bachelor of Business Bachelor of Computer Science Bachelor of Games and Interactivity Bachelor of Information and Communication Technology	2-8 units 1-8 units 8 units 8 units 5-6 units 8 units 8 units	2 yrs 2 yrs 2 yrs 3 yrs 2 yrs 2 yrs 2 yrs
Diploma of Interior Design MSF60118	Bachelor of Design Bachelor of Design (Interior Architecture) (Honours)	8 units 8 units	2 yrs 3 yrs
Diploma of Justice 22320VIC	Bachelor of Accounting Bachelor of Criminal Justice and Criminology	8 units 8 units	2 yrs 2 yrs
Diploma of Laboratory Technology MSL50118	Bachelor of Science	8 units	2 yrs
Diploma of Library and Information Services BSB52115	Bachelor of Business Bachelor of Business and Information Systems	0-8 units 8 units	2 yrs 2 yrs
Diploma of Marketing and Communication BSB52415	Bachelor of Accounting Bachelor of Business	8 units 8 units	2 yrs 2 yrs
Diploma of Nursing HLT54115	Bachelor of Nursing	8 units	2 yrs
Diploma of Professional Writing and Editing CUA50118	Bachelor of Arts Bachelor of Media and Communication	8 units 8 units	2 yrs 2 yrs
Diploma of Science (UniLink)	Bachelor of Science	8 units	2-2.5 yrs <sup>#</sup>
Diploma of Screen and Media CUA60615 – Animation	Bachelor of Design Bachelor of Media and Communication	8 units 8 units	2 yrs 2 yrs
Diploma of Screen and Media CUA60615 – Film and Television	Bachelor of Design Bachelor of Media and Communication	8 units 8 units	2 yrs 2 yrs
Diploma of Screen and Media CUA51015 – Sports Media	Bachelor of Design Bachelor of Media and Communication	8 units 8 units	2 yrs 2 yrs
Diploma of Software Development ICT50718	Bachelor of Computer Science Bachelor of Information and Communication Technology	4 units 8 units	2.5 yrs 2 yrs
Diploma of Sport SIS50319	Bachelor of Accounting Bachelor of Business Bachelor of Exercise and Sport Science	8 units 0-8 units 4 units	2 yrs 2 yrs 2.5 yrs
Diploma of Sport SIS50319 / Diploma of Leadership and Management BSB51918	Bachelor of Accounting Bachelor of Business Bachelor of Exercise and Sport Science	0-8 units 8 units 4 units	2 yrs 2 yrs 2.5 yrs
Diploma of Teacher Education Preparation 22451VIC	Bachelor of Education (Primary) Bachelor of Education (Early Childhood Teaching)	4 units 4 units	3.5 yrs 3.5 yrs
Diploma of Visual Arts CUA51115	Bachelor of Arts	8 units	2 yrs
Diploma of Visual Merchandising MSF50218	Bachelor of Design	8 units	2 yrs

<sup>#</sup>The minimum time to complete the degree is dependent on the major selected.

<sup>†</sup>This information should be used as a guide only. Credit availability may vary and is assessed on a case-by-case basis. For the most up-to-date credit transfer arrangements, please visit our website: [swinburne.edu.au/pathways](http://swinburne.edu.au/pathways)

<sup>‡</sup>Maximum credit for diploma: This is the maximum amount of credit that this diploma can contribute towards this degree.

<sup>‡</sup>Minimum time to complete degree: This is the minimum amount of time it will take to complete this degree once you have completed the diploma.



# Our campuses



## Hawthorn

Hawthorn is our flagship campus and where you'll be studying if you enrol in one of our bachelor degrees (or many of our certificates and diplomas, too). Located in the leafy suburb of Hawthorn, it offers close proximity to the city but without the big grey buildings and stuffy suits. A short train ride from the CBD will deposit you directly on campus (yes, we have a station on site!) and from there you can grab a coffee from one of the numerous cafés along Glenferrie Rd, browse the shops, take in a movie or gym session, or pick up some lunch on your way to class.

## Wantirna

Wantirna is a hub for horticulture with greenhouses, work sheds and a dedicated landscaping building. It also boasts specialist facilities in nursing, engineering and early childhood education, and offers Diplomas and certificates in business, computing, IT, building, design and more. Located in Melbourne's eastern suburbs, it's a stone's throw from Knox City Shopping Centre and can be easily accessed via Eastlink or the Belgrave and Lilydale train lines.

## Croydon

Croydon is the place for most of our trades courses, such as plumbing, building and construction, as well as English language courses, pre-apprenticeships, VCAL and VCE Connect. It is home to the Flexible Green Trades Complex, which focuses on sustainable practices in trades, and provides practical hands-on learning. Croydon campus is located in the foothills of the beautiful Dandenong Ranges and can be accessed via the Lilydale train line or Mount Dandenong Road.

# Top 5 perks of studying at Swinburne, Hawthorn

We may be biased, but we think studying at our Hawthorn campus offers one of the best uni experiences going round. Here's why.

**1**

## Free Adobe Creative Cloud access

Translation – unfettered access to over 20 apps, including Photoshop, Lightroom, InDesign and lesser known ones that let you make 3D animations, build webpages, mobile app prototypes ... the list goes on. You can put it on any of your devices, and yes, of course you can use it for your personal projects! All this, in the name of digital literacy. All hail digital literacy, we say.



## Location, location, location

Welcome to Hawthorn! Here, you'll be spoilt for choice when it comes to finding somewhere to do your reading/writing/daydreaming. Choose from heaps of great cafés (and great coffee!), beautiful green spaces like Central Gardens (right across the road), plus lots of study and lounge spaces on campus. Bonus: Glenferrie Railway Station is right on our doorstep. Too easy.

**2**



## Cheap eats

In good news for your wallet (and stomach!), many of the delicious lunch spots around Hawthorn provide special offers for Swinburne students. Regardless, you'll be spoilt for choice with the array of budget culinary options. Think chicken and chips from Yummy Campus, rice paper rolls from Mr & Mrs Banh Mi, or fresh sushi from Sushi Hub.



## Your own private pool, kinda

No pool? No problems. Swinburne students are sorted thanks to free use of the indoor and outdoor pools at Hawthorn Aquatic and Leisure Centre, conveniently located just around the corner from campus. You'll also get discounted membership to the centre and access to Swinburne-only group fitness classes. Don't know how to swim? Attend a free casual class that will teach you all the basics.

**4**



**5**

## Discounted movie tickets

Head to nearby Lido Cinemas on a Wednesday, flash your student ID and be rewarded with discounted movie tickets for just \$8 all day. More money for popcorn? Win.



# Where you'll find us

Hawthorn campus is just ten minutes by train from the heart of Melbourne. With the Glenferrie train station directly on campus, access is a breeze. Simply stay on the Lilydale train line and hop off at Ringwood station for the Wantirna campus or Croydon station for the Croydon campus. Easy peasy!



# Swinburne life is what you make it

Uni isn't just about study. It's about expanding your horizons, making new friends and packing everything you can into the next few years before full-time work kicks in.

Swinburne empowers you to make the most of your uni experience. With learning and study support, of course, but with life stuff, too. From support services that will help you through hard times, to clubs, activities and events, to an overseas adventure. We recommend getting involved in all that Swinburne has to offer.

These will be some of the most memorable years of your life. At Swinburne, they'll also be the foundation that will set you on your path to success.



## Facilities and services

Get free access to the Adobe Creative Cloud anywhere, on any device, for the entire time you're studying at Swinburne.

There's wi-fi across campus and the on-campus library and computer labs provide you with the space and resources for study outside class.

There's also a range of services to support your wellbeing:

- careers and employment
- counselling
- health
- housing
- disability support
- financial advice
- learning and study skills
- advocacy
- legal advice
- childcare.

## Learning and Academic Skills Centre

Attend free workshops and seminars, access online resources, or chat with an adviser. 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.

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

## Mathematics and Statistics Help Centre

Open five days a week during semester, here's where you can ask questions about the maths and statistics in your course.

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

## Safety on campus

Swinburne takes safety and security very seriously. We offer a range of services to keep you feeling safe on campus, particularly during those late-night study sessions.

- Hawthorn night bus to drop you home locally.
- Security officers on patrol and available to accompany you anywhere on campus.
- Safe@Swin app with links to emergency and support services, safety tools and campus maps.
- Safer Community team for support on issues such as bullying and harassment.

## Moondani

### Toombadool Centre

The MTC offers Indigenous students support with pre-enrolment, subject selection, orientation, graduation, and life beyond study – so you can feel in control of your studies and career. We make sure your Swinburne experience is positive, inclusive and successful.

## Swinburne Student Life

Get involved in clubs, sports, volunteering, and leadership opportunities – all coordinated by Swinburne Student Life. We even have our very own mascot, Razor (he's hard to miss – the big red Razorback Pig) to keep you in the know about complimentary services, fun events, freebies and more.

## Clubs and sport

Join a club and make life-long friends. Choose from a huge range of social, cultural, sporting and academic interests. You could even travel with your favourite sport to play at intervarsity competitions.

## Volunteering

Give back, make new mates and be part of an amazing community. You'll score awesome experience for your CV (making yourself attractive to future employers), gain access to free accredited training, and be eligible for the Emerging Leaders Program.

## Leadership

The Swinburne Student Life Leadership Program fosters leadership skills, provides opportunities to lead, and celebrates the success of student leaders. Attend talks, workshops, panels and more, and get experience that will boost your career.

## Events and activities

There's always something happening at Swinburne – both on campus and online. From Orientation (think food trucks and live bands) to cultural celebrations, wellbeing carnivals, Pride parades, trivia nights, Netflix parties and much more.

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

## Swinburne Student Union

Enjoy the perks and support from Swinburne's student-run representation, welfare and events service. Or join in their campaigning to protect student rights and interests.

As a union member, you can get:

- free breakfasts on weekdays
- a weekly barbecue
- free printing
- locker hire
- local discounts.
- and much more.



Claire making the most of her study abroad experience.

## Study Abroad with Swinburne

Trying to choose between a gap year to travel the world, or study? You don't have to give up your dreams of adventure when you choose Swinburne. In fact, most of our students are eligible for an overseas study program. (Worldwide pandemics notwithstanding, of course.)

Choose from student exchange, study tours or overseas internships – the opportunities are endless.

Plus, our Swinburne travel scholarships are there to help with the financial side of things. So, no matter your situation, you have the chance to get your qualification and conquer the world while you're at it.

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

# Arts, Humanities and Social Sciences

The world's critical issues need next gen critical thinkers. By understanding people and culture, history and politics, the way we connect and the way we create, you'll be able to think critically and communicate effectively. These are valuable, future-proof skills that can be transferred to almost any industry. You'll learn to see patterns in political upheaval, spot the drivers of social change, and discover how tech can help or hinder communication.

With a flexible and modular structure of majors, co-majors and minors, or the option of a double degree, you can discover what inspires you and where you want to impact the world most.

So whether you imagine yourself travelling the globe reporting on world events, writing that best-selling book, influencing or setting public policy, or improving the lives of local communities, it all begins here.

## Professional recognition

Our arts, humanities and social sciences courses provide many opportunities to connect with leading industry organisations. Double degrees may provide additional opportunities for memberships.

## Courses at a glance

**Unit types** ■ Core ■ Major ■ Elective ■ Prof Placement

### Bachelor of Arts (Professional)

4 ■ 8 ■ 10 ■ 4

### Bachelor of Arts

4 ■ 8 ■ 12 ■

### Bachelor of Criminal Justice and Criminology

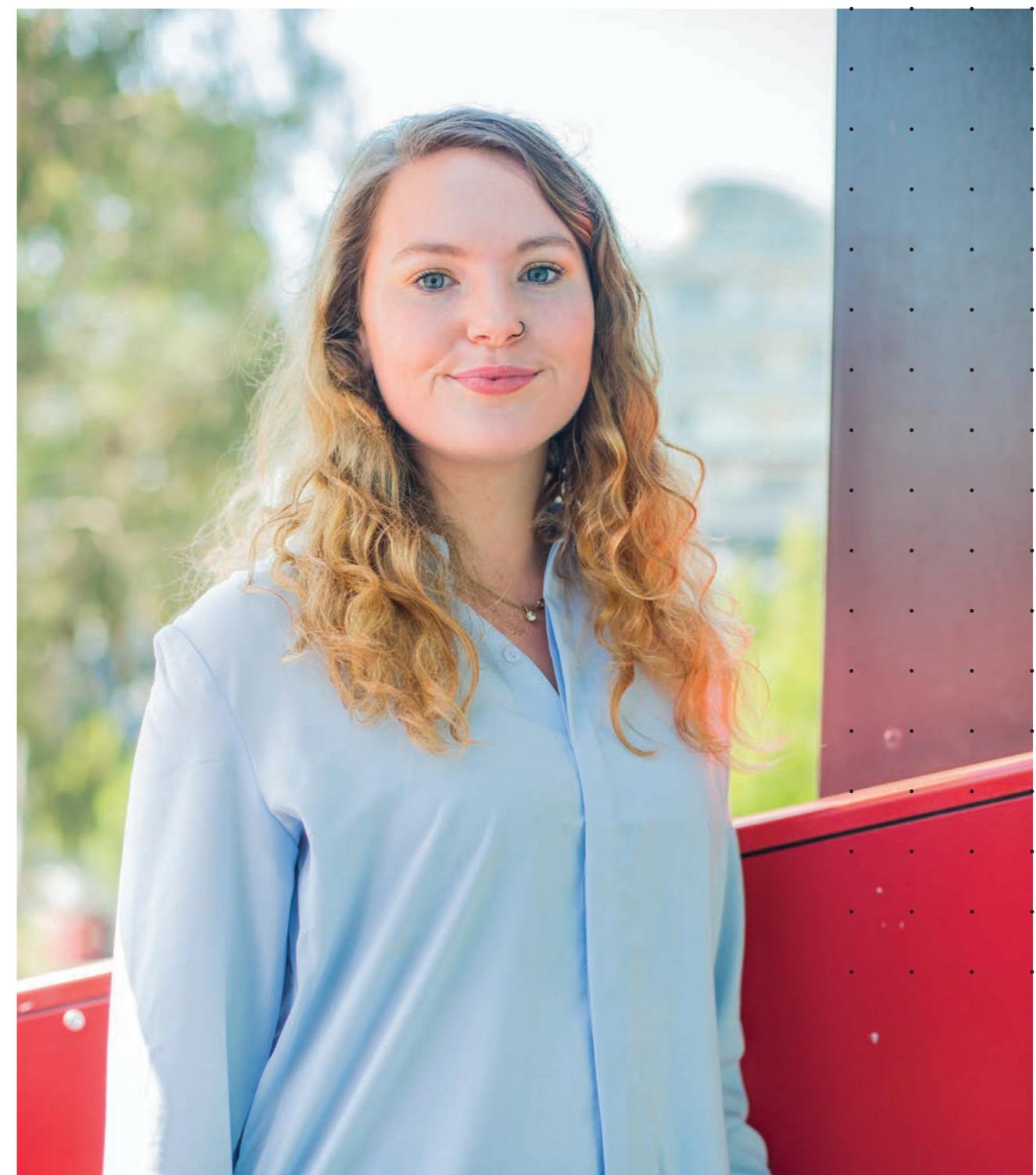
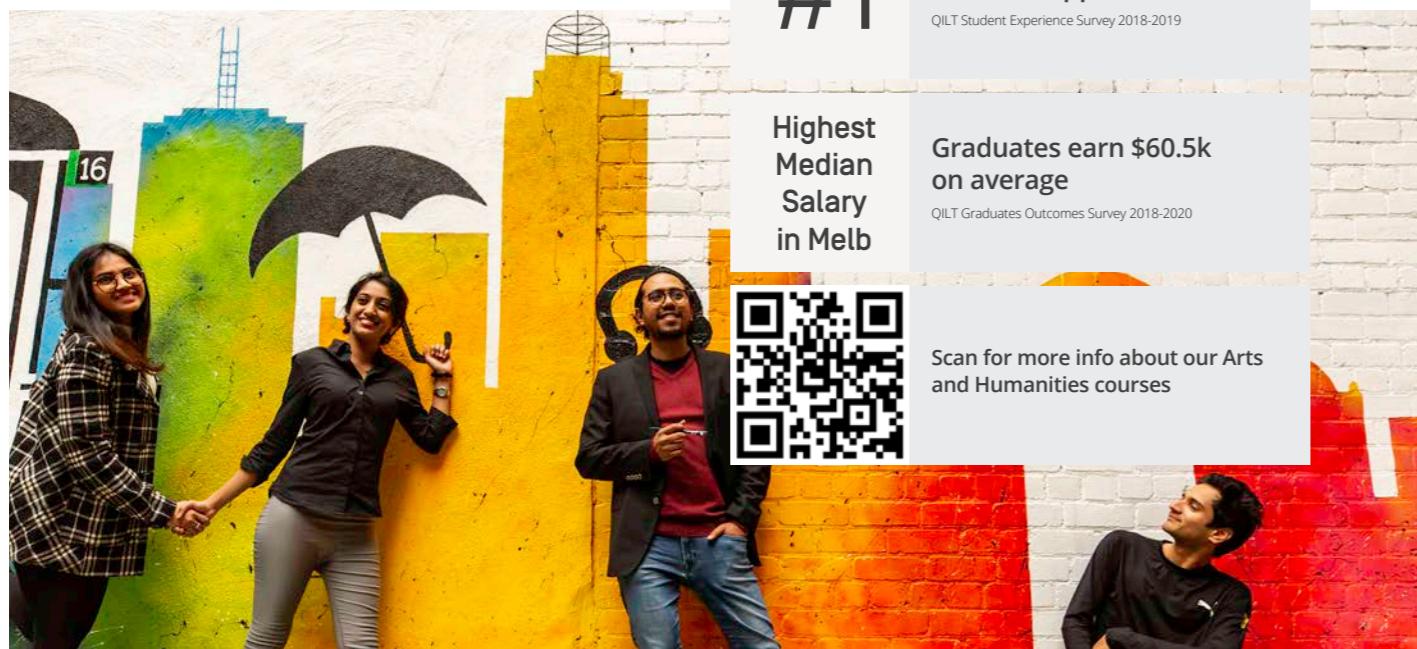
16 ■ 8 ■

## Diplomas and certificates in

- Arts and Communication
- Library and Information Services
- Professional Writing and Editing

## Also see

- Diploma of Screen and Media (CUA51015) – Sports Media page 82
- Certificate IV in Screen and Media (CUA41215) page 58
- Bachelor of Media and Communication page 80



*"Being taught by active, passionate, dedicated and successful writers has been inspirational. Not only do they show me my career possibilities, but they also give realistic and encouraging advice on how to succeed in the industry."*

**Julia**

Bachelor of Arts with a major in Professional Writing and Editing  
(Now offered as a Bachelor of Arts with a major in Professional and Creative Writing)

# Arts, Humanities and Social Sciences

## Bachelor of Arts [Professional]

⌚ 4 yrs FT/ 8 yrs PT ⚡ H ⚪ 80<sup>+</sup> ↗ V or D Units 4 8 10 4

## Bachelor of Arts

⌚ 3 yrs FT/ 6 yrs PT ⚡ H ⚪ 60<sup>+</sup> ↗ V or D Units 4 8 12

Designed for action, you'll learn by doing with core units focused on how technology can be harnessed for social good.

Through themed majors across philosophy, history, social science and politics, you'll develop a transferable skillset of analytical thinking, problem solving and cultural competency. Solve complex global issues and gain the knowledge, communication skills, confidence and digital literacy to launch a meaningful career that will meet the demands of a 21st century workforce.

**Combine this degree with** Bachelor of Business, Bachelor of Health Science, Bachelor of Laws, Bachelor of Psychological Sciences or Bachelor of Science (double degree duration 4 to 5 years).

**Professional degree** This degree extends the standard degree to include a professional placement co-major comprising a 12-month work placement.

**Also see** Bachelor of Media and Communication, page 80.

Unit types	
Core	Elective
Major	Prof Placement

⌚ Duration
FT Full-time
PT Part-time

⌚ Location
C Croydon
O Online
H Hawthorn
EV External venue

⭐ Entry ATAR
^ Guaranteed entry
# Minimum entry

RC Range of criteria  
For more information about ATARS, please refer to page 100.

↗ Where to apply
V VTAC
D Direct

## Majoring in

### Climate and Social Justice

Grapple with the climate crisis and growing levels of inequality within countries and across the globe. Develop a critical understanding of key concepts, such as justice, rights, equality, and sustainability. Engage with essential contemporary debates over what a more just society could look like and explore ways this might be achieved.

#### Career opportunities

- Environmental officer
- Community advocate
- Policy analyst
- Community development officer
- Public administration.

## Majoring in

### Criminology

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 it.

#### Career opportunities

- Journalist
- Public policy analyst
- Welfare worker
- Corrections officer
- Police officer
- Community development officer.

## Majoring in

### Ethics and Technology

Explore the ways in which digital technologies are shaping our work, our relationships and dating practices, our health, our communications and our very selves. Examine the ethical issues around privacy and surveillance, human rights, equity and security that arise through the use of data harvesting by private corporations and governments.

#### Career opportunities

- Social researcher
- Policy analyst
- Community development and aid work
- Industrial and community advocate.

## Majoring in

### Indigenous Studies

Explore the rich history of Indigenous cultures throughout the world with a particular focus on the Aboriginal and Torres Strait Islander peoples. Learn about fundamental Indigenous concepts, including respect and relationships, connection to country, and kinship. Investigate imperialism and colonialism, and form a deep knowledge of the issues that define Indigenous people's experiences as Australian citizens in post-colonial society.

#### Career opportunities

- Community engagement and/or development officer
- Public relations executive
- Policy analyst
- Cultural liaison officer
- Advocacy worker
- Client services officer.

## Majoring in

### Perspectives on Globalisation

Gain an overview of the processes that transformed international relations across the twentieth century and explore the multiple social, cultural and political trajectories unfolding across the twenty-first century. View our common future from the vantage point of diverse Indigenous and civilisational points of view, and acquire a truly global perspective on the contemporary world.

#### Career opportunities

- Press officer
- Policy analyst
- Government relations manager
- Stakeholder relations manager
- Government administration
- International business executive
- Corporate media executive.

## Majoring in

### Power, Politics and Technology

Develop a deep understanding of key political concepts such as power, democracy and security. Think critically about how technology interacts with and shapes structures of power, how it influences traditional political institutions and processes; and how it impacts on rights, security and political engagement at the local, national and global level.

#### Career opportunities

- Social researcher
- Policy analyst
- Community development and aid work
- Political campaigner
- Industrial and community advocate.

## Majoring in

### Screen Studies and Popular Culture

In this innovative, industry-orientated major, you'll explore the many ways entertainment and technology interact. You'll chart the history of entertainment technologies, such as cinema, television, and videogames, to anticipate future developments. You'll understand how the black mirrors that we keep in our pockets, our offices, and our homes not only reflect society but also shape it.

#### Career opportunities

- Broadcast presenter
- Film researcher
- Production coordinator
- Community arts worker
- Film distribution coordinator
- Film festival manager
- Entertainment journalist.

# Arts, Humanities and Social Sciences

## Bachelor of Criminal Justice and Criminology

⌚ 3 yrs FT / 6 yrs PT ⚡ H O ⚡ 60^ ⚡ V or D\* Units 16 8

Gain insight into both the causes of crime (criminology) and the consequences and responses to criminal behaviour (criminal justice).

Learn about local and global criminality, traditional approaches to crime, and emerging trends and practises.

Examine how technological advances impact the sector, such as in predicting crime, detecting and preventing criminal behaviour, and implementing effective criminal sanctions.

**Combine this degree with** Bachelor of Psychological Sciences, or Bachelor of Laws (double degree duration 4 years).

**Also see** Bachelor of Laws page 77

\*The online version of this degree is through Direct application only.

Unit types	
Core	Elective
Major	Prof Placement

⌚ Duration
FT Full-time
PT Part-time

⌚ Location	W Wantirna
C Croydon	O Online
H Hawthorn	EV External venue

⭐ Entry ATAR
^ Guaranteed entry
# Minimum entry

RC Range of criteria  
For more information about ATARS, please refer to page 100.

⌚ Where to apply
V VTAC
D Direct

## Diplomas and certificates

### Arts

#### Diploma of Arts and Communication (UniLink)

⌚ 8 mths FT/16 mths PT ⚡ H ⚡ V or D

This higher education diploma provides an alternative pathway into bachelor degrees in Arts, Media and Communication, Games and Interactivity, and Criminal Justice and Criminology. Units are similar to those offered in first year university but with smaller class sizes and more time with teachers. Students can gain up to 8 units advanced standing when they pathway into their degree.

#### Prerequisites

Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 20 in English (EAL).

#### Pathway opportunities

- Bachelor of Arts
- Bachelor of Criminal Justice and Criminology
- Bachelor of Games and Interactivity
- Bachelor of Media and Communication.

### Library and information services

#### Diploma of Library and Information Services (BSB52115)

⌚ 1 yr FT / 2 yrs PT ⚡ H O ⚡ V or D

Gain the skills and knowledge to work in libraries or with large volumes of information in agencies, institutions and organisations. You'll learn research skills, use digital and social media tools and develop customer service expertise.

#### Professional accreditation

This course is fully accredited by the Australian Library and Information Association.

#### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

#### Pathway opportunities

- Bachelor of Business
- Bachelor of Business Information Systems.

#### Career opportunities

- Digital services officer
- Education assistant (museums and galleries)
- Information services officer
- Library technician,
- Library officer
- Library adviser
- Technical services officer.

### Professional writing and editing

#### Diploma of Professional Writing and Editing (CUA50118)

⌚ 1 yr FT ⚡ H ⚡ V or D

Gain an understanding of the laws and ethics of professional writing, and develop a portfolio of writing, including persuasive copy, media writing, scripts, fiction and nonfiction. Learn about freelancing, project management, creative collaboration and how to develop a social media engagement plan.

#### Prerequisites

Successful completion of Certificate IV in Professional Writing and Editing (CUA40118) or equivalent, or industry experience.

#### Pathway opportunities

- Bachelor of Arts
- Bachelor of Media and Communication.

#### Career opportunities

- Journalist
- Publisher
- Writer
- Editor
- Public relations officer
- Social media coordinator.

## Certificate IV in Professional Writing and Editing (CUA40118)

⌚ 1 yr FT ⚡ H ⚡ V or D

Learn how to work effectively in the creative arts industry and develop your writing, editing and proofreading skills. Build a portfolio of work in fiction and non-fiction including short narratives, business and public relations documents and short scripts.

#### Prerequisites

Satisfactory completion of Victorian Year 12 and demonstrate a high level of language and literacy.

#### Career opportunities

- Journalist
- Writer
- Editor
- Proofreader.



# Aviation

Is it a bird? Is it a plane? Well, yes actually – and it could be you flying it! Our Bachelor of Aviation will have you taking to the skies from week three. Prefer to keep your feet firmly on the ground? Our aviation management course could be just the ticket.

Soar into a future in piloting aircraft, air traffic control, management, compliance, network analysis and beyond.

## Jetstar

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.



## Qantas Future Pilot Program

We have partnered with Qantas to offer a pilot pathway program that qualifies Swinburne's flight crew of the future to fly with QantasLink, the airline's regional brand.



## Courses at a glance

**Unit types** ■ Core ■ Major ■ Elective

### Bachelor of Aviation

8 8 8

### Bachelor of Aviation Management

16 8

### Associate Degree of Aviation

– Jetstar cadetship program

12 2

More than  
25 years

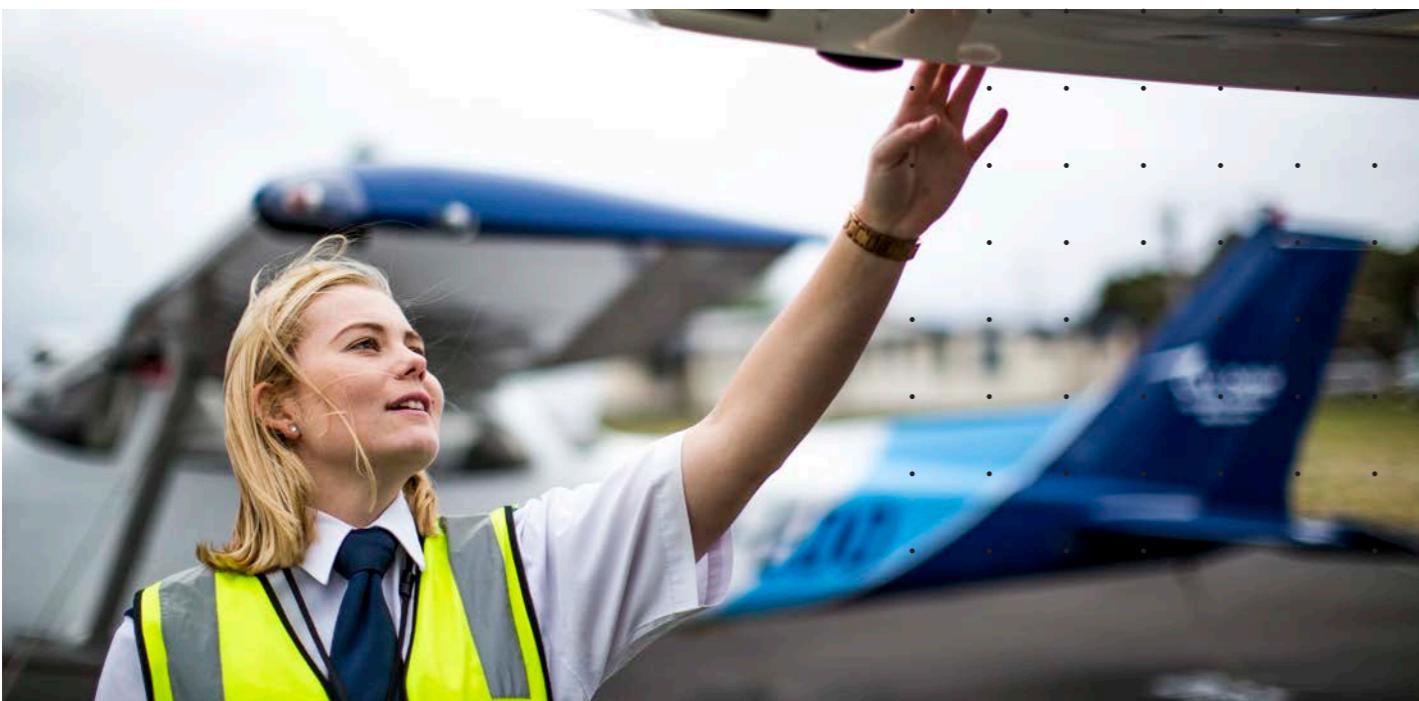
Leading aviation education

Only Uni  
in Victoria

To offer bachelor degree-level  
courses that specifically train you  
to be a commercial pilot



Scan for more info about our  
Aviation courses



⌚ Duration	📍 Location	W Wantirna	⭐ Entry ATAR	RC Range of criteria
FT Full-time	C Croydon	O Online	^ Guaranteed entry	For more information about ATARs, please refer to page 100.
PT Part-time	H Hawthorn	EV External venue	# Minimum entry	
			⌚ Where to apply	V VTAC D Direct

## Bachelor of Aviation

⌚ 3 yrs FT/ 6 yrs PT 📍 H EV ⭐ RC ⚡ V or D Units 8 8 8

Become equipped for a professional career as a pilot.

Learn about the structure and operation of the aviation industry; undertake flying training at CAE Australia Flight Training; develop practical capabilities in management and analysis.

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 Part 61 approved Multi-crew Cooperation Course.

**Combine this degree with** Bachelor of Business (double degree duration 4 years).

## Prerequisites

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.

## Pathways options

- Diploma of Engineering (UniLink) see page 55

## Career opportunities

- Professional pilot.

## Bachelor of Aviation Management

⌚ 3 yrs FT/ 6 yrs PT 📍 H ⭐ 70^ ⚡ V or D Units 16 8

Gain a sound professional understanding of the aviation industry and develop skills in organisational, regulatory, safety, technical and business management.

**Combine this degree with** Bachelor of Business (double degree duration 4 years).

## Prerequisites

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.

## Pathway options

- Diploma of Engineering (UniLink) see page 55

## Career opportunities

- Aviation consultant
- Aviation regulatory and safety services manager
- Airline ground operations manager
- Airport manager
- Airline operations manager.

## Associate Degree of Aviation - Jetstar cadetship program

⌚ 1.5 yrs FT 📍 H EV ⭐ RC ⚡ Jetstar Units 12 2

Undertake your professional pilot training at CAE Australia Flight Training, Moorabbin Airport, as part of the Jetstar cadetship program. You'll obtain a Commercial Pilot Licence (CPL) and Multi-engine Aeroplane Instrument Endorsement. You will also complete a Multi-crew Cooperation and Jet Orientation Course, and the required theory for the Air Transport Pilot Licence in order to prepare you for a career as a commercial pilot. This course is offered in conjunction with Swinburne through Jetstar and must be applied for directly with them.

## Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL); and a study score of at least 20 in Further Mathematics.

## Career opportunities

- Commercial pilot.



# Built Environment and Architecture

Whether you want to have an impact designing interiors, buildings, bridges or even cities, our built environment and architecture courses are created with the future in mind. You'll discover a focus on craftsmanship, sustainability and innovation, spearheaded by digital technology and hands-on experience.

Learn how to bring out the best of the natural landscape, design sustainable spaces for communities or create innovative infrastructure as an architect, designer, engineer or architectural engineer.

## Courses at a glance

**Unit types** ■ Core ■ Major ■ Elective

**Bachelor of Design  
(Architecture)**

20 4

**Bachelor of Design  
(Interior Architecture) (Honours)**

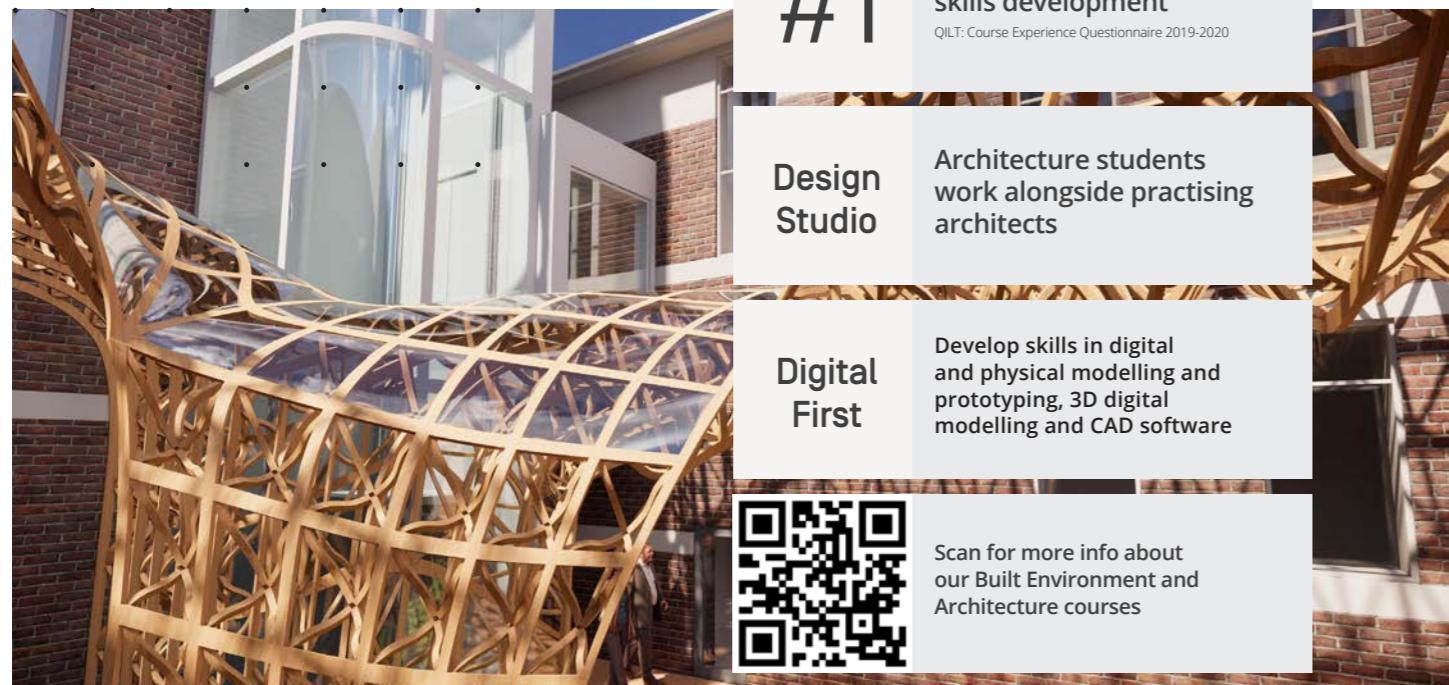
16 8 8

## Diplomas and certificates in

- Architecture and Building Design
- Civil Engineering
- Conservation and Land Management
- Construction
- Horticulture and Landscape
- Interior Design

## Also see

- Bachelor of Engineering (Honours) with a major in Architectural Engineering or Civil Engineering page 53
- Advanced Diploma of Engineering Technology (22479VIC) – Civil Engineering Design page 55
- Advanced Diploma of Interior Design (MSF60118) page 45
- Diploma of Interior Design (MSF50218) page 45
- Certificate IV in Building and Construction (Building) (CPC40110) page 92
- Certificate III in Conservation and Land Management (AHC31416) page 92



#1

For student satisfaction with skills development

QILT: Course Experience Questionnaire 2019-2020

Design Studio

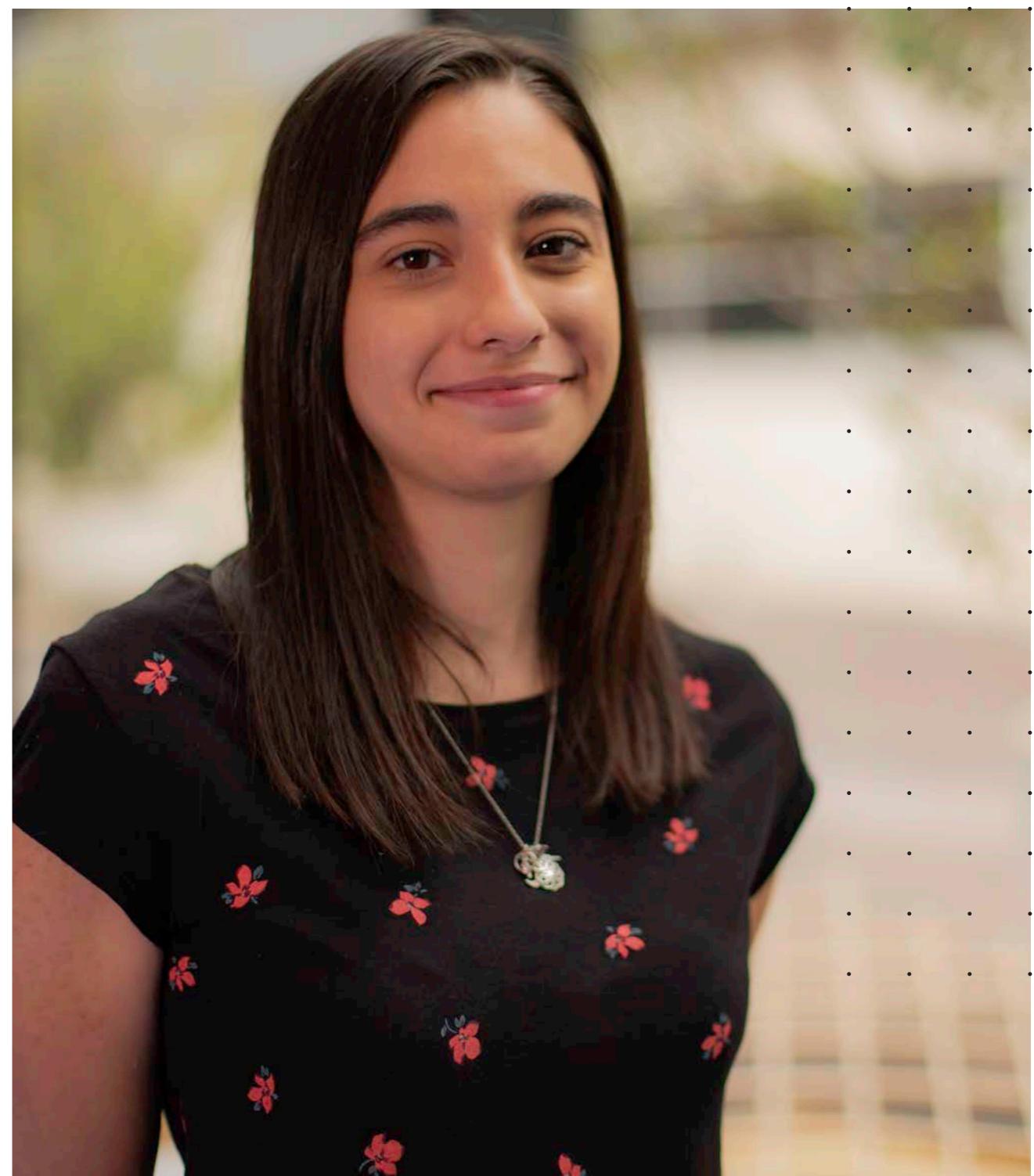
Architecture students work alongside practising architects

Digital First

Develop skills in digital and physical modelling and prototyping, 3D digital modelling and CAD software



Scan for more info about our Built Environment and Architecture courses



*"So many opportunities presented themselves to me throughout the course. I was offered an internship, flew to New Zealand to design and construct a project for a festival, worked with a client to develop a prototype for an acoustically designed meeting room, and travelled to India for the Sustainable Architecture study tour. My digital design capabilities improved vastly. I gained real-world experience and built my connections with industry. Now, I'm ready for my career."*

Amy

Bachelor of Design (Architecture)

# Built Environment and Architecture

## Bachelor of Design [Architecture]

⌚ 3 yrs FT / 6 yrs PT ⚡ H ★ 80^ ✅ V or D Units 20 4

Develop the skills and knowledge required for innovative building design.

Tackle digital technology, environmental awareness, construction, practice, ethics, history and theory. Resolve a wide array of design challenges by formulating and actualising innovative design ideas in a series of stages from conception to finished design.

You'll study under the guidance of world-renowned academics in a variety of settings, from classrooms to workshops and design studios.

Unit types	
Core	Elective
Major	Prof Placement

⌚ Duration	⌚ Location	W Wantirna	★ Entry ATAR	RC Range of criteria	⌚ Where to apply
FT Full-time	C Croydon	O Online	^ Guaranteed entry	For more information about ATARs, please refer to page 100.	V VTAC
PT Part-time	H Hawthorn	EV External venue	# Minimum entry		D Direct

## Bachelor of Design [Interior Architecture] [Honours]

⌚ 4 yrs FT / 8 yrs PT ⚡ H ★ 70^ ✅ V or D Units 16 8 8

Learn about the environments in which we spend our lives and how they are formed and fabricated.

Apply conceptual processes, creative tools, management strategies and research skills to designing a variety of public and private interior/spatial projects.

Learn to capitalise on new technologies and materials in the construction of indoor and outdoor 3D spaces.

### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

### Pathway options

- Advanced Diploma of Building Design (Architectural) see page 31

### Career opportunities

- Architecture roles for private and corporate architecture firms, government organisations, development companies, or in the building and design sector. Further study is required to practise as an architect.

### Prerequisites

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, Creative and Digital Media (VCE VET) I, Studio Arts, Systems Engineering, or Visual Communication Design.

### Pathway options

- Advanced Diploma of Interior Design MSF60118 see page 45

### Career opportunities

- Interior designer 5 Creative Boost Breaks You Must See
- Exhibition designer
- Property designer
- Retail designer
- Design consultant.

## Diplomas and certificates

### Architecture and building design

#### Advanced Diploma of Building Design (Architectural) (22477VIC)

⌚ 2 yrs FT ⚡ C H ✅ V or D

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.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience, or qualified tradesperson and practising building designer.

### Pathway opportunities

- Bachelor of Design (Architecture)

### Career opportunities

- Building designer
- Drafting technician.

### Conservation and land Management

#### Diploma of Conservation and Land Management (AHC51116)

⌚ 1.5 yrs FT / 2 yrs PT ⚡ W ✅ V or D

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.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, relevant work experience.

### Career opportunities

- Conservationist
- Park ranger.

### Construction

#### Diploma of Building and Construction (Building) (CPC50210)

⌚ 1.5 yrs FT ⚡ H ✅ V or D

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.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience, or qualified tradesperson and practising building supervisor.

### Career opportunities

- Construction supervisor.

### Horticulture and landscape

#### Diploma of Horticulture (AHC50416)

⌚ 2 yrs FT / 4 yrs PT ⚡ W ✅ V or D

Learn about plant nutrition, plant health, propagation and recognition of plants, landscape design, products and services, and business management and administration.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

### Career opportunities

- Nursery manager
- Landscape designer
- Parks and gardens manager
- Horticultural consultant
- Landscaper
- Garden centre operator.

#### Diploma of Landscape Design (AHC50616)

⌚ 1.5 yrs FT / 3 yrs PT ⚡ V ✅ V or D

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.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

### Career opportunities

- Landscape designer.

# Business

Got dreams to be bigger than Sheryl Sandberg? From managing multi-million-dollar companies to building your own, get your career started with one of our business courses.

With courses covering all aspects of the business, financial and management industries, you'll learn skills and practices that will help you excel in any enterprise, anywhere in the world. Our graduates have gone on to work for companies like Deloitte, PwC, Telstra, NAB, ANZ, and IBM.

## Professional recognition

Our business 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.



University Affiliation Program CFA Institute®

**#1**  
In Victoria  
**For Learning Engagement and Student Support**  
2021 GUG, QILT Student Experience Survey 2018 and 2019

**★★★**  
**For Skills Development and Graduate Salary**  
2021 GUG, and QILT Student Experience Survey 2018 and 2019, QILT Graduate Outcomes Survey 2017-2019

our business grads earn  
**\$9.3K** more  
As compared to the national average  
The median salary is \$65.6K - the highest in Melbourne  
QILT Graduates Outcomes Survey 2018-2020



Scan for more info about our Business courses

## Courses at a glance

**Unit types** ■ Core ■ Major ■ Elective ■ Prof Placement

**Bachelor of Accounting** ■ 8 ■ 8 ■ 8

**Bachelor of Accounting and Business Information Technology (Professional)** ■ 24 ■ 8

**Bachelor of Business (Professional)** ■ 8 ■ 8 ■ 6 ■ 4

**Bachelor of Business** ■ 8 ■ 8 ■ 8

- Accounting
- Accounting and Finance
- Accounting and Financial Planning
- Business Administration
- Business Analytics and Analysis
- Entrepreneurship and Innovation
- Finance
- Financial Planning
- Human Resource Management
- Logistics and Supply Chain Management
- Management
- Marketing
- Sports Management

**Bachelor of Business Information Systems** ■ 8 ■ 8 ■ 8

**Bachelor of Business Information Technology (Professional)** ■ 16 ■ 8 ■ 8

### Diplomas and certificates in

- Accounting
- Business Foundational
- Event Management
- Human Resource Management
- Marketing and Communication
- Social Media Marketing
- Sports Management

### Also see

- Bachelor of Aviation Management page 27
- Bachelor of Information and Communication Technology with a major in Business Systems or Systems Analysis page 73
- Diploma of Library and Information Services (BSB52115) page 25

⌚ Duration	📍 Location	W Wantirna	⭐ Entry ATAR	RC Range of criteria	↗ Where to apply
FT Full-time	C Croydon	O Online	^ Guaranteed entry	For more information about ATARS, please refer to page 100.	V VTAC
PT Part-time	H Hawthorn	EV External venue	# Minimum entry		D Direct

## Bachelor of Accounting

⌚ 3 yrs FT/ 6 yrs PT    📍 H O    ⭐ 60+    ↗ V or D\*    Units ■ 8 ■ 8 ■ 8

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.

**Professional accreditation** This degree is professionally accredited by CPA Australia and Chartered Accountants Australia and New Zealand.

\*The online version of this degree is through Direct application only.

## Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

## Pathway options

- Diploma of Business (UniLink) see page 39
- Advanced Diploma of Accounting FNS60217 see page 38
- Diploma of Accounting FNS50217 see page 38
- Diploma of Business BSB50215 see page 39
- Diploma of Event Management SIT50316 see page 39
- Diploma of Human Resources Management BSB50618 see page 39
- Diploma of Marketing and Communication BSB52415 see page 40
- Diploma of Project Management BSB51415 see page 40

## Career opportunities

- Public accountant
- Business consultant
- Auditor
- Taxation agent
- Analyst
- Forensic accountant



"Nothing has been out of reach since I transferred to Swinburne. I have endless opportunities here and it's all thanks to the support systems available. The class sizes and individual attention you receive makes you feel valued. Your teachers genuinely care about helping you reach your goals. Swinburne is about more than just getting a degree - you'll learn to create a version of yourself that will stand out from the crowd."

## Zenath

Bachelor of Business with a major in Marketing

## Bachelor of Accounting and Business Information Technology [Professional]

⌚ 3 yrs FT ⚡ H ⚡ 80^ ⚡ V or D Units 24 8

This prestigious degree is developed and delivered in partnership with industry to produce the business leaders of tomorrow. As a student, you will receive an industry-funded scholarship worth approximately \$40,000\* and undertake two 20-week work placements with industry partners such as KPMG, Pitcher Partners, Ernst & Young, Simplot and Unico. 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.

**Professional accreditation** This degree is professionally accredited by CPA Australia and Chartered Accountants Australia and New Zealand. This course also has provisional accreditation with the Australian Computer Society (ACS).

\*Conditions apply.

## Bachelor of Business [Professional]

⌚ 4 yrs FT/ 8 yrs PT ⚡ H ⚡ 80^ ⚡ V Units 8 8 6 4

## Bachelor of Business

⌚ 3 yrs FT/ 6 yrs PT ⚡ H O ⚡ 60^ ⚡ V or D\* Units 8 8 8

Gain core skills in business practices and decision-making before beginning major studies in your area of specialisation. Select at least one business major from the wide range listed below.

Cap it off with final-year consulting projects that will help you launch your future career.

**Combine this degree with** Bachelor of Arts, Bachelor of Aviation Management, Bachelor of Business Information Systems, Bachelor of Design, Bachelor of Engineering (Honours), Bachelor of Health Science, or Bachelor of Laws (double degree duration 4 to 5 years).

**Professional degree** This degree extends the standard degree to include a professional placement co-major comprising a 12-month work placement.

Select at least one business major from the wide range listed on the following page.

Unit types	
Core	Elective
Major	Prof Placement

⌚ Duration	⌚ Location	W Wantirna	★ Entry ATAR	RC Range of criteria	Where to apply
FT Full-time	C Croydon	O Online	^ Guaranteed entry	For more information about ATARs, please refer to page 100.	V VTAC
PT Part-time	H Hawthorn	EV External venue	# Minimum entry		D Direct

## Bachelor of Accounting and Business Information Technology [Professional]

### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). Short-listed applicants must attend an interview.

### Career opportunities

- Public accountant
- Business consultant
- Auditor
- Taxation agent
- Systems architect
- Data analyst
- Business IT manager
- Business and systems analyst
- Business analyst
- Forensic accountant.

### Majoring in

#### Accounting

Develop skills that are fundamental to evaluating, analysing and communicating the financial position of an organisation or individual.

### Professional accreditation

This degree is professionally accredited by CPA Australia, and Chartered Accountants Australia and New Zealand.

### Career opportunities

- Accountant
- Business manager
- Project manager
- Administrator
- Risk analyst

### Majoring in

#### Accounting and Financial Planning

Gain an understanding of finance in large- and small-scale arenas. Develop knowledge and skills in company and personal accounting, as well as financial information systems, taxation, auditing and finance law.

### Professional accreditation

This major meets the educational requirements of the Financial Planning Association of Australia. It is also accredited by Chartered Accountants Australia and New Zealand and CPA Australia.

### Career opportunities

- Accountant
- Financial planner
- Business analyst
- Investment banker
- Risk analyst.

### Majoring in

#### Accounting and Finance

Develop core skills in analysing investments, sourcing foreign exchange deals, analysing and communicating the financial position of an organisation, risk management and business investment.

### Professional accreditation

This degree is professionally accredited by CPA Australia and Chartered Accountants Australia and New Zealand.

### Career opportunities

- Accountant
- Business manager
- Investment banker
- Risk analyst
- Financial adviser
- Investment manager
- Financial forecaster.

### Majoring in

#### Business Administration

Gain an understanding of organisational management, strategies and principles. Develop practical, theoretical and conceptual skills, and an understanding about how businesses operate.

### Career opportunities

- Business administrator
- Business manager
- Human resource officer
- Marketing coordinator
- Project officer.

### Majoring in

#### Business Analytics and Analysis

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.

### Career opportunities

- Business IT manager
- Business analyst
- Information architect
- IT consultant
- Systems analyst and tester.

### Majoring in

#### Entrepreneurship and Innovation\*

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.

### Career opportunities

- Business owner
- Entrepreneur
- Venture capital analyst
- Change manager
- Product developer
- Market researcher
- Product manager.

## Bachelor of Business [Professional]

⌚ 4 yrs FT/ 8 yrs PT ⚡ H ⚡ 80^ ⚡ V Units 8 8 6 4

## Bachelor of Business

⌚ 3 yrs FT/ 6 yrs PT ⚡ H O ⚡ 60^ ⚡ V or D\* Units 8 8 8

Gain core skills in business practices and decision-making before beginning major studies in your area of specialisation. Select at least one business major from the wide range listed below.

Cap it off with final-year consulting projects that will help you launch your future career.

**Combine this degree with** Bachelor of Arts, Bachelor of Aviation Management, Bachelor of Business Information Systems, Bachelor of Design, Bachelor of Engineering (Honours), Bachelor of Health Science, or Bachelor of Laws (double degree duration 4 to 5 years).

**Professional degree** This degree extends the standard degree to include a professional placement co-major comprising a 12-month work placement.

Select at least one business major from the wide range listed on the following page.

\*The online version of this degree is through Direct application only.

\*This major is not available via Swinburne Online.

# Business

B

Unit types	
Core	Elective
Major	Prof Placement

⌚ Duration	📍 Location	RC Range of criteria	↗ Where to apply
FT Full-time	W Wantirna		V VTAC
PT Part-time	C Croydon	^ Guaranteed entry	D Direct
	H Hawthorn	# Minimum entry	
	EV External venue		

Majoring in

## Finance

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.

### Career opportunities

- Investment manager
- Financial forecaster
- Business manager
- Project officer
- Administrator
- Risk analyst.

Majoring in

## Financial Planning

Develop core skills in financial planning and gain an in-depth knowledge across financial management areas such as investment, taxation, financial risk, and retirement and estate planning. Gain an understanding of legislation and ethics so you can assist others to reach their financial goals.

### Professional accreditation

This major is approved by the Financial Advisers Standards and Ethics Authority (FASEA) and meets the educational requirements of the Financial Planning Association of Australia (FPA).

### Career opportunities

- Financial planner
- Business analyst
- Investment banker
- Risk analyst
- Financial adviser.

Majoring in

## Human Resource Management\*

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.

### Professional accreditation

This major is professionally accredited by the Australian Human Resources Institute.

### Career opportunities

- HR adviser
- HR consultant
- HR manager
- Organisational change coordinator.

Majoring in

## Logistics and Supply Chain Management

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.

### Career opportunities

- Supply chain manager
- Export control officer
- Logistics manager
- Imports coordinator
- Fleet manager
- Warehouse operations manager.

Majoring in

## Management

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.

### Career opportunities

- Project manager
- Business manager
- Change manager
- Administrator
- Customer service manager
- Planning manager.

Majoring in

## Marketing

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.

### Career opportunities

- Marketing specialist
- Market research manager
- Advertising consultant
- Brand manager
- Product manager.

Majoring in

## Sports Management\*

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
- Brand manager.

## Bachelor of Business Information Systems

⌚ 3 yrs FT/ 6 yrs PT   📍 H   ⭐ 60<sup>▲</sup>   ↗ V or D   Units 8 8 8

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 information systems services, social networking in organisations, and mobile business and connectivity.

Choose a major in business analysis, or data analytics.

**Professional accreditation** This degree is professionally accredited by the Australian Computer Society.

**Combine this degree with** Bachelor of Business (double degree duration 4 years).

**Also see** Bachelor of Information and Communication Technology page 73.

### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

### Pathway options

- Diploma of Business (UniLink) see page 39
- Diploma of Library and Information Services BSB52115 see page 25

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Majoring in

## Business Analysis

Develop the skills to analyse the requirements of users and learn how to transform business through technology. Discover approaches to analysing economic, social and environmental challenges and developing creative solutions that enable success.

### Career opportunities

- Systems analyst
- Systems architect
- Business analyst
- Requirements analyst
- UX analyst
- Technical business analyst
- Process consultant.

Majoring in

## Data Analytics

Learn how business intelligence and business analytics are used to solve 'wicked problems' and provide business insight, as well as add strategic value, such as understanding consumer behaviour, creating organisational benchmarking, improving efficiency, and informing decision-making. 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
- Data visualisation specialist.

\*This major is not available via Swinburne Online.

# Business

## Bachelor of Business Information Technology [Professional]

3 yrs FT  H  80<sup>A</sup>  V or D Units 16 8 8

This prestigious degree is developed and delivered in partnership with industry to produce the business leaders of tomorrow. As a student, you will receive an industry-funded scholarship worth approximately \$40,000\* and spend 40 weeks gaining valuable ICT workplace industry experience. 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.

**Professional accreditation** This degree is professionally accredited by the Australian Computer Society.

\*Conditions apply.

## Diplomas and certificates

### Accounting

#### Advanced Diploma of Accounting (FNS60217)

6 mths FT / 1 yr PT  O  V or D

Gain a thorough understanding of accounting functions related to tax issues and plans, corporate governance matters, reporting on financial systems, analysing management accounting information and applying accounting principles in legal-related matters.

#### Prerequisites

Satisfactory completion of Diploma of Accounting or equivalent.

#### Pathway opportunities

- Bachelor of Accounting
- Bachelor of Business.

#### Career opportunities

- Analyst
- Accounts clerk
- Administrator
- Bookkeeper
- Payroll officer.

#### Diploma of Accounting (FNS50217)

6 mths FT / 1 yr PT  H O  V or D

Learn about intermediary accounting principles and applications, including how to compose corporate reports, manage and forecast budgets, and prepare tax documentation. Gain practical accounting skills for work in financial services and other industries requiring accounting support.

#### Prerequisites

Satisfactory completion of Certificate IV in Accounting and Bookkeeping or equivalent, or relevant work experience.

#### Pathway opportunities

- Bachelor of Accounting
- Bachelor of Business.

#### Career opportunities

- Analyst,
- Accounts clerk
- Administrator
- Bookkeeper
- Bookkeeper
- Payroll officer.

### Prerequisites

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. Short-listed applicants must attend an interview.

#### Career opportunities

- Project manager
- Business analyst
- Information architect
- Business requirements analyst.

#### Certificate IV in Accounting and Bookkeeping (FNS40217)

6 mths FT / 1 yr PT  C H O  V or D

Receive practical training for a job in the accounting sector. Learn to prepare financial reports, set up and operate a computerised accounting system, establish and maintain payroll systems, and complete business activity and instalment activity statements. This course meets the educational requirements of obtaining the BAS agent registration by the Tax Practitioners Board (TFB).

#### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

#### Pathway opportunities

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

- Human resources officer
- Marketing and sales officer
- Public relations officer.

#### Career opportunities

- Analyst
- Accounts clerk
- Administrator
- Bookkeeper
- Payroll officer.

### Unit types

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Core  | <input type="checkbox"/> Elective       |
| <input checked="" type="checkbox"/> Major | <input type="checkbox"/> Prof Placement |

### Duration

- |                                    |   |
|------------------------------------|---|
| <input type="radio"/> FT Full-time | <input type="radio"/> W Wantirna        |
| <input type="radio"/> PT Part-time | <input type="radio"/> C Croydon         |
|                                    | <input type="radio"/> O Online          |
|                                    | <input type="radio"/> H Hawthorn        |
|                                    | <input type="radio"/> EV External venue |

### Location

- |   |   |
|---|---|
| <input type="radio"/> W Wantirna        | <input type="star"/> Entry ATAR           |
| <input type="radio"/> C Croydon         | <input type="checkbox"/> Guaranteed entry |
| <input type="radio"/> O Online          | <input type="checkbox"/> Minimum entry    |
| <input type="radio"/> H Hawthorn        |   |
| <input type="radio"/> EV External venue |   |

### Entry ATAR

RC Range of criteria  
For more information about ATARs, please refer to page 100.

### Where to apply

- |                                |
|--------------------------------|
| <input type="radio"/> V VTAC   |
| <input type="radio"/> D Direct |

## Diplomas and certificates

### Business foundational

#### Diploma of Business (UniLink)

8 mths FT / 16 mths PT  H  V or D

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.

#### Prerequisites

Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 20 in English (EAL).

#### Pathway opportunities

- Bachelor of Accounting
- Bachelor of Business
- Bachelor of Business Information Systems
- Bachelor of Business Information Systems / Bachelor of Business
- Bachelor of Games and Interactivity
- Bachelor of Health Science
- Bachelor of Information and Communication Technology
- Bachelor of Media and Communication / Bachelor of Business

### Business

#### Diploma of Business (BSB50215)

6 mths FT / 1 yr PT  H O  V or D

This course focuses on e-commerce and how to take a small to medium business online. Learn how e-commerce works, the associated benefits over more traditional business models, why a business should have a website, what online platforms are available to host an e-commerce business, and even what is FinTech and how businesses use it.

#### Prerequisites

Successful completion of Certificate IV in Business or equivalent, or relevant work experience.

#### Pathway opportunities

- Bachelor of Accounting
- Bachelor of Business.

#### Career opportunities

- Executive officer
- Office manager
- Retail manager
- Team leader
- Business administrator.

### Event management

#### Diploma of Event Management (SIT50316)

1 yr FT  H  V or D

Gain the skills to plan and deliver events. Develop an understanding of event management processes and learn how to work independently to make operational event management decisions.

#### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

#### Pathway opportunities

- Bachelor of Accounting
- Bachelor of Business.

#### Career opportunities

- Events planner
- Exhibitions coordinator
- Venue coordinator.

### Human resource management

#### Diploma of Human Resources Management (BSB50618)

1 yr FT  O  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.

#### Prerequisites

Successful completion of Certificate IV in Business (see page 39) or equivalent, or relevant work experience.

#### Pathway opportunities

- Bachelor of Accounting
- Bachelor of Business.

#### Career opportunities

- HR officer
- Payroll officer
- HR coordinator.

# Business

## Marketing and communication

### Diploma of Marketing and Communication (BSB50620)

⌚ 1 yr FT ⚡ H ↗ V or D

Develop sound theory, knowledge and practical experience in marketing in order to progress career prospects in marketing and communication management.

#### Prerequisites

Successful completion of the Marketing and Communication Foundations Skill Set (see below).

#### Pathway opportunities

- Bachelor of Accounting
- Bachelor of Business

#### Career opportunities

- Marketing consultant
- Marketing officer
- Social media officer
- Public relations coordinator
- Media coordinator
- Project coordinator
- Market researcher.

### Marketing and Communication Foundations Skill Set (BSBSS00077)

⌚ 6 wks FT ⚡ H ↗ D

Gain a sound basis of marketing and communication, presentation and debate. Learn how to effectively articulate ideas, apply digital solutions to work processes and develop skills to work in the marketing and communication industry.

#### Prerequisites

Applicants may enter at a range of skill levels, but must be able to speak English.

## Project management

### Diploma of Project Management (BSB51415) – Fast-track

⌚ 6 - 8 mths PT ⚡ ↗ D

This course is designed for emerging and current project managers, those aspiring to be a project manager, and recently promoted project managers.

#### Prerequisites

At least two years' relevant work experience.

#### Career opportunities

- Project manager
- Project coordinator.

## Social media marketing

### Diploma of Social Media Marketing (10118NAT)

⌚ 1 yr FT ⚡ H ↗ V or D

Gain skills in digital technologies, planning and strategy, and written communication, such as for blogs, eDMs and content marketing. Develop a portfolio of work, and examine current trends and market innovations.

#### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

#### Career opportunities

- Social media coordinator
- Communications assistant
- Content marketing manager.

## Sports management

### Diploma of Sport (Sport Development) /Diploma of Leadership and Management (SIS50319/BSB51918)

⌚ 1 yr FT ⚡ HEV ↗ D

Become prepared for a career in sports leadership. Delivered in partnership with Richmond Football Club, you will gain skills in high-performance training and nutrition, personal organisation, coaching and leadership, budgeting, project management, people management, safety and compliance.

#### Prerequisites

Successful completion of Victorian Year 12 or equivalent, or relevant work experience.

#### Pathway opportunities

- Bachelor of Accounting
- Bachelor of Business
- Bachelor of Exercise and Sport Science.

#### Career opportunities

- Program developer
- Talent development manager
- Sport development manager
- Leisure/recreational facility coordinator
- Sport and recreation community development officer.

# Design

Want to design your own future? Gain the skills and knowledge with our diverse range of design courses. You'll learn in our Advanced Manufacturing and Design Centre, a hub for world-class research and education. You'll also benefit from outstanding industry partnerships, exceptional experiences through the Design Factory Melbourne (part of the Global Design Factory network) and opportunities via our new Innovation Precinct.

Go on to a career in advertising, animation, industrial design, website and app design, furniture design and much more.

#### Professional recognition

Our design courses are recognised by leading industry organisations. As a Swinburne student, you'll enjoy the benefits of 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.

## Courses at a glance

Unit types ■ Core ■ Major ■ Elective

8 8 8

#### Bachelor of Design

- Branded Environments
- Communication Design
- Motion Design
- Photomedia
- UX Interaction Design

16 8 4

#### Bachelor of Design (Communication Design) (Honours)

16 8 8

#### Bachelor of Design (Industrial Design) (Honours)

#### Diplomas and certificates in

- Architecture and Building Design
- Design
- Graphic Design
- Interior Design
- Photography
- Visual Arts
- Visual Merchandising

#### Also see

- Bachelor of Design (Architecture) page 30
- Bachelor of Design (Interior Architecture) (Honours) page 30
- Bachelor of Engineering (Honours) with a major in Product Design page 53
- Advanced Diploma of Building Design (Architectural) 22477VIC page 31

## Top 50

### In the world for art and design

2020 QS World University Rankings by Subject.

### Adobe Creative Campus

First uni in Australia where students get free access to the Adobe Creative Cloud and over 20 different apps



For overall student experience.

Good Universities Guide 2021



Scan for more info about our Design courses



⌚ Duration	⌚ Location	W Wantirna
FT Full-time	C Croydon	O Online
PT Part-time	H Hawthorn	EV External venue

⌚ Duration	⌚ Location	W Wantirna
FT Full-time	C Croydon	O Online
PT Part-time	H Hawthorn	EV External venue

⌚ Duration	⌚ Location	W Wantirna
FT Full-time	C Croydon	O Online
PT Part-time	H Hawthorn	EV External venue

⌚ Duration	⌚ Location	W Wantirna
FT Full-time	C Croydon	O Online
PT Part-time	H Hawthorn	EV External venue

⌚ Duration	⌚ Location	W Wantirna
FT Full-time	C Croydon	O Online
PT Part-time	H Hawthorn	EV External venue

⌚ Duration	⌚ Location	W Wantirna
FT Full-time	C Croydon	O Online
PT Part-time	H Hawthorn	EV External venue

# Design



"Switching to study what I love has given me a sense of purpose and direction in life. My capstone project has been a real highlight. It culminated with an exhibition that was planned and set up by the entire class. The teachers are all so supportive, but also push me to take my ideas further. Plus, they've helped me secure a month-long internship in Tokyo my favourite city)!"

**Suzanne**

Bachelor of Design with a major in Photomedia

## Unit types

- Core
- Elective
- Major
- Prof Placement

## Duration

- FT Full-time
- PT Part-time

## Location

- C Wantirna
- C Croydon
- O Online
- H Hawthorn
- EV External venue

## Entry ATAR

- ^ Guaranteed entry
- # Minimum entry

## Range of criteria

For more information about ATARs, please refer to page 100.

## Where to apply

- V VTAC
- D Direct

## Bachelor of Design

⌚ 3 yrs FT / 6 yrs PT ⚡ H\* ⚡ 70+ ⚡ V or D Units 8 8 8

Complete core units in your first year that introduce different design fields and to assist in selecting a major.

Choose from studies in branded environments, communication design, motion design, photomedia, and UX interaction design.

**Combine this degree with** Bachelor of Business or Bachelor of Media and Communication (double degree duration 4 years).

**Also see** Bachelor of Design (Architecture) and Bachelor of Design (Interior Architecture) (Honours) page 30.

## Prerequisites

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, Creative and Digital Media (VCE VET) I, Studio Arts, or Visual Communication Design.

## Pathway options

- Diploma of Design (UniLink) see page 45
- Advanced Diploma of Graphic Design CUA60315 see page 45
- Advanced Diploma of Interior Design MSF60118 see page 45
- Diploma of Digital and Interactive Games ICT50215 see page 62
- Diploma of Graphic Design CUA50715 see page 45
- Diploma of Interior Design MSF50218 see page 46
- Diploma of Visual Merchandising MSF50218 see page 46

## Majoring in

### Branded Environments

This multidisciplinary course integrates communication design, interior architecture and environmental and experience design principles. You'll take a brand's identity beyond the visual and translate it into three dimensions. Learn how to think conceptually and communicate visually in our collaborative studios. Explore contemporary retail design and branding design problems.

#### Career opportunities

- Exhibition designer
- Visual merchandiser
- Interior designer
- Set designer
- Communications designer
- Communications researcher.

## Majoring in

### Communication Design\*

Develop your design thinking and practice in order to prepare you to thrive in today's fast-paced digital environment. Learn core specialisms such as typography, image-making, brand and identity, 3D form packaging, information design, web design and publication design. Combine them with strategy, concept development and design to create razor-sharp ideas that cut through the competition.

**Also see** Bachelor of Design (Communication Design) (Honours) page 44.

#### Career opportunities

- Communications designer
- Web designer
- UX designer
- Interaction designer
- Experience designer
- Design consultant.

## Majoring in

### Motion Design

Design and motion come together in the future of visual communication. Mixing graphics, type, animation, video, photography and sound, you'll become a creative communicator for the whole range of digital platforms.

#### Career opportunities

- Motion designer
- Digital designer
- Animator
- Video producer
- Design consultant.

\*The Bachelor of Design with a major in Communication Design can also be done via Swinburne Online.

# Design

Majoring in

## Photomedia

Get set to turn your concepts into arresting campaigns, publications and digital products. Through photography lessons and workshops on experimental image processing, you'll gain a rich, foundational knowledge of how lighting, art direction, commercial studio practice and cutting-edge technological processes produce truly memorable images.

### Career opportunities

- Photographer
- Video and motion graphics specialist
- Advertising consultant
- Design consultant.

## Bachelor of Design [Communication Design] [Honours]

⌚ 4 yrs FT / 8 yrs PT ⚡ H ★ 90^ ↗ V or D Units 16 8 4

Develop your design thinking and practice in order to prepare you to thrive in today's fast-paced digital environment.

Learn core specialisms such as typography, image-making, brand and identity, 3D form packaging, information design, web design and publication design. Combine them with strategy, concept development and design to create razor-sharp ideas that cut through the competition.

## Bachelor of Design [Industrial Design] [Honours]

⌚ 4 yrs FT / 8 yrs PT ⚡ H ★ 70^ ↗ V or D Units 16 8 8

Learn how to develop the products of the future 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.

**Also see** Bachelor of Engineering (Honours) with a major in Product Design page 53.

### Unit types

- |         |                  |
|---------|------------------|
| ■ Core  | ■ Elective       |
| ■ Major | ■ Prof Placement |

### ⌚ Duration

- |              |                   |
|--------------|-------------------|
| FT Full-time | W Wantirna        |
| C Croydon    | O Online          |
| H Hawthorn   | EV External venue |

### ⌚ Location

- |            |                    |
|------------|--------------------|
| W Wantirna | ★ Entry ATAR       |
| C Croydon  | ^ Guaranteed entry |
| H Hawthorn | # Minimum entry    |

### RC Range of criteria

For more information about ATARs, please refer to page 100.

### Where to apply

- |          |                  |
|----------|------------------|
| V VTAC   | ⌚ Where to apply |
| D Direct | ⌚ Where to apply |

Majoring in

## UX Interaction Design

Create a complete user experience from beginning to end. Take on a holistic approach in UX design, from research to storyboarding to prototyping. Develop a working knowledge and literacy in web design, experience design, interaction design, games development, AR and VR applications. Your knowledge in both CSS and HTML will give you a head start in your UX career.

### Career opportunities

- User experience designer
- Customer experience designer
- Web and interactive designer
- Design consultant.

### Prerequisites

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, Creative and Digital Media (VCE VET) I, Studio Arts, or Visual Communication Design.

### Career opportunities

- Communications designer
- Web designer
- UX designer
- Interaction designer
- Experience designer
- Design consultant.

### Prerequisites

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, Creative and Digital Media (VCE VET) I, Studio Arts, or Visual Communication Design.

### Pathway options

- Diploma of Design (UniLink) see page ??

### Career opportunities

- Industrial designer
- Product designer
- Service designer
- Model maker
- Computer-aided designer
- Design consultant.

## Diplomas and certificates

### Design

#### Advanced Diploma of Creative Product Development (CUA60415)

⌚ 1 yr FT ⚡ H ↗ V or D

Turn your creative passion into commercial potential. Develop your folio in photography, design, visual art, games and animation, or other creative pursuit, and build skills in design thinking and creative problem solving.

### Prerequisites

A relevant diploma and/or industry experience

### Career opportunities

- Animator
- Artist
- Multimedia developer
- Product designer.

#### Diploma of Design (UniLink)

⌚ 8 mths FT / 16 mths PT ⚡ H ↗ V or D

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.

### Prerequisites

Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 20 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, Creative and Digital Media (VCE VET) I, Studio Arts, or Visual Communication Design.

### Pathway opportunities

- Bachelor of Design
- Bachelor of Design (Architecture)
- Bachelor of Design (Industrial Design) (Honours)
- Bachelor of Design (Interior Architecture) (Honours)
- Bachelor of Games and Interactivity.

#### Certificate IV in Design (CUA40715)

⌚ 1 yr FT ⚡ H ↗ V or D

Develop and enhance skills in graphic design, interior design, product design and related design studies. Explore the historical and contextual basis for design.

### Prerequisites

Entry into this program is based on an applicant's study and/or relevant work history. Some additional criteria may also apply.

### Career opportunities

- Graphic artist
- Graphic designer.

### Graphic design

#### Advanced Diploma of Graphic Design (CUA60315)

⌚ 6 mths FT ⚡ H ↗ V or D

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.

### Prerequisites

Successful completion of Diploma of Graphic Design.

### Pathway opportunities

- Bachelor of Design

### Career opportunities

- Graphic designer.

#### Diploma of Graphic Design (CUA50715)

⌚ 1.5 yrs FT ⚡ H ↗ V or D

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.

### Prerequisites

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.

### Pathway opportunities

- Bachelor of Design.

### Career opportunities

- Graphic designer.

### Interior design

#### Advanced Diploma of Interior Design (MSF60118)

⌚ 6 mths FT ⚡ H ↗ D

Build on existing design knowledge and bring complex commercial projects to life using modern 3D visualisation techniques. Develop accelerated knowledge of construction, and the skills to thrive when faced with spatial design problems of all shapes and sizes.

### Prerequisites

Successful completion of the Diploma of Interior Design.

### Pathway opportunities

- Bachelor of Design
- Bachelor of Design (Interior Architecture) (Honours)

### Career opportunities

- Interior designer
- Interior decorator
- Colour consultant.

# Design

## Diploma of Interior Design (MSF50218)

⌚ 1.5 yrs FT ⚡ H ⚡ V or D

Gain the knowledge and skills to create and plan furniture, fittings and surfaces, colour schemes and concepts for commercial and residential settings. Learn how to document your designs in 2D – through drawing, illustration and drafting, then take them one step further with 3D modelling.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

### Pathway opportunities

- Bachelor of Design
- Bachelor of Design (Interior Architecture) (Honours)

### Career opportunities

- Interior designer
- Interior decorator
- Colour consultant.

### Photography

## Diploma of Photography and Photo Imaging (CUA50915)

⌚ 1 yr FT ⚡ H ⚡ V or D

Learn about the commercial, artistic and technical aspects of photography from practising industry professionals and gain a career that can take you anywhere in the world.

### Prerequisites

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.

### Career opportunities

- Photographer.

## Certificate IV in Photography and Photo Imaging (CUA41115)

⌚ 1 yr FT / 2 yrs PT ⚡ H ⚡ V or D

Gain a broad range of technical skills in digital photography, including composition, lighting, image capture, enhancements, manipulation and output.

### Prerequisites

Entry into this program is based on an applicant's study and/or relevant work history. Some additional criteria may also apply.

### Career opportunities

- Photographer.

### Visual arts

## Advanced Diploma of Visual Arts (CUA60715)

⌚ 1 yr FT ⚡ W ⚡ V or D

Build on your existing art practice knowledge and specialise in your chosen field. Gain the professional, technical and conceptual skills to bring your creative visions to life – through drawing and illustration, digital art, painting, photo media, printmaking, public art or sculpture.

### Prerequisites

Successful completion of the Diploma of Visual Arts.

### Career opportunities

- Visual artist
- Community arts officer
- Art curator.

## Diploma of Visual Arts (CUA51115)

⌚ 1 yr FT ⚡ W ⚡ V or D

Study a progressive, contemporary fine arts course that's run by qualified teachers and practising artists. Make the most of our purpose-built creative workshop – take photos, make prints, videos, drawings and digital images – and then exhibit them in our exhibition space.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience

### Pathway opportunities

- Bachelor of Arts

### Career opportunities

- Visual artist
- Community arts officer
- Art curator.

### Visual Merchandising

## Diploma of Visual Merchandising (SIR50217)

⌚ 1 yr FT ⚡ W ⚡ V or D

Gain core skills in design principles, history and colour theory, digital styling, window styling, creative collaborations, and hands-on building of props, design and applying signage. As the industry becomes increasingly digital, Swinburne students are well-prepared for roles in online spaces; acquiring the skills for content creation, brand development, and styling for web and social media.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

### Pathway opportunities

- Bachelor of Design.

### Career opportunities

- Retailer
- Visual merchandiser
- Fashion stylist
- E-commerce product visual merchandiser
- Event stylist.

### Duration

FT Full-time  
C Croydon  
H Hawthorn

### Location

W Wantirna  
O Online  
EV External venue

### Entry ATAR

^ Guaranteed entry  
# Minimum entry

### Range of criteria

RC For more information about ATARs,  
please refer to page 100.

### Where to apply

V VTAC  
D Direct

# Education

Being involved with educating others is a bit like having a super power – education opens doors, inspires change and shapes lives. Be a superhero, minus the cape.

In our education courses, you'll learn the hands-on skills you need to succeed as an early childhood educator or a primary school teacher. You can explore classroom teaching, discover innovative approaches to learning, as well as undertake multiple practical placements, all underpinned by a problem-based learning approach.

### Professional recognition

Our teaching degrees are professionally accredited by the Australian Children's Education & Care Quality Authority (ACECQA) and the Victorian Institute of Teaching (VIT) as relevant. Both enable graduates to register and teach Australia-wide and internationally.

## Courses at a glance

**Unit types** ■ Core ■ Elective ■ Prof. Experience

### Bachelor of Education (Early Childhood and Primary)

26 15

### Bachelor of Education (Early Childhood Teaching)

24 44

### Bachelor of Education (Primary)

24 44

### Bachelor of Education Studies

16 8

### Diplomas and certificates in

- Early Childhood Education and Care
- Education Support
- Teacher Education Preparation

#1  
in Victoria

### For student support

QILT: Student Experience Survey 2018 and 2019

#1  
in Victoria

### For overall experience

QILT: Student Experience Survey 2018 and 2019

### Real classroom experience

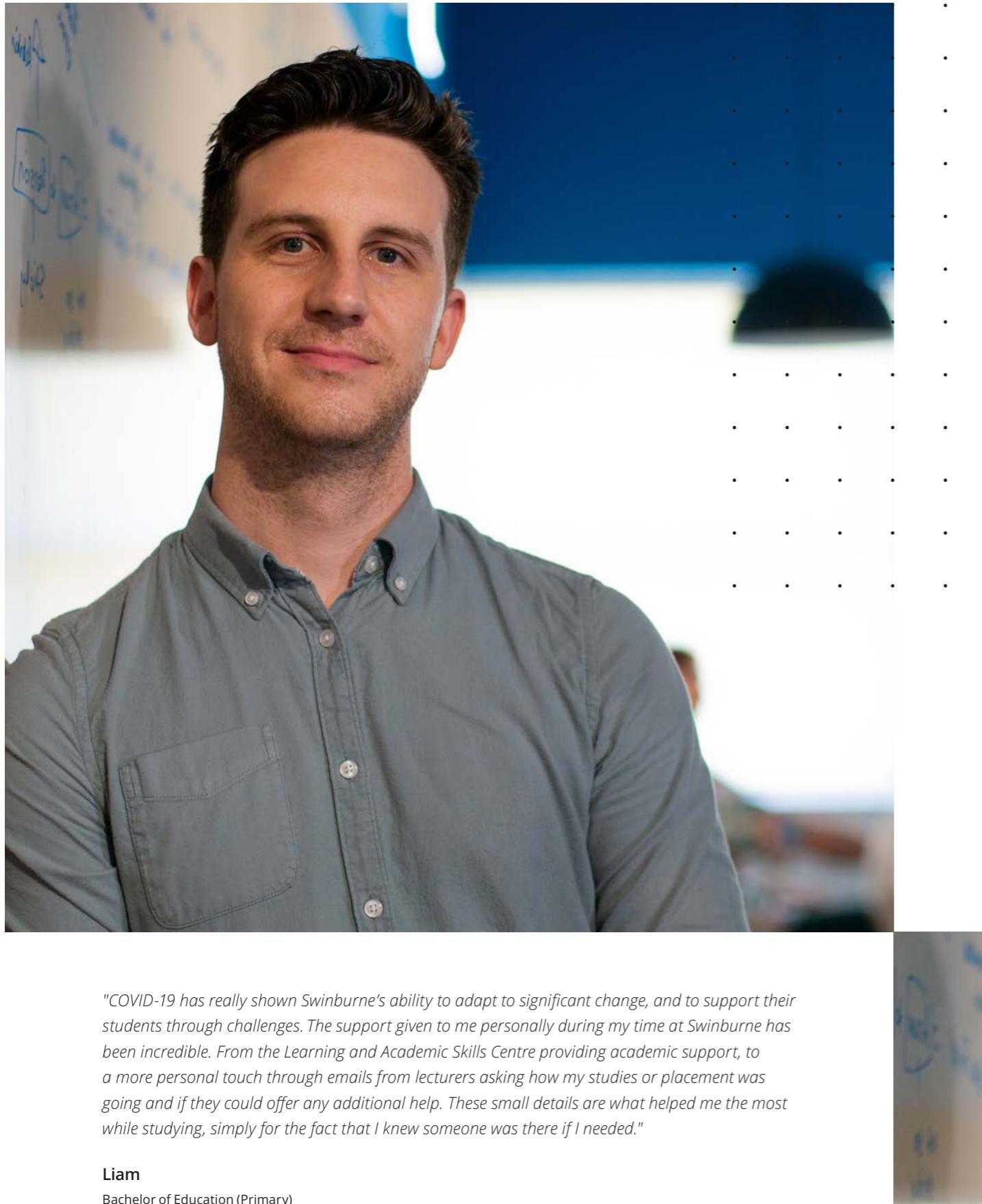
All our teaching degrees have a minimum of three placements to prepare you for your teaching career.



Scan for more info about our Education courses



# Education



"COVID-19 has really shown Swinburne's ability to adapt to significant change, and to support their students through challenges. The support given to me personally during my time at Swinburne has been incredible. From the Learning and Academic Skills Centre providing academic support, to a more personal touch through emails from lecturers asking how my studies or placement was going and if they could offer any additional help. These small details are what helped me the most while studying, simply for the fact that I knew someone was there if I needed."

**Liam**

Bachelor of Education (Primary)

Unit types	
Core	Elective
Major	Prof Placement

⌚ Duration	📍 Location	⭐ Entry ATAR	RC Range of criteria	↗ Where to apply
FT Full-time	W Wantirna	^ Guaranteed entry	For more information about ATARs, please refer to page 100.	V VTAC
PT Part-time	C Croydon	# Minimum entry		D Direct
	H Hawthorn	EV External venue		

## Bachelor of Education [Early Childhood and Primary]

⌚ 4 yrs FT / 8 yrs PT    📍 H O    ⭐ 70#    ↗ V or D\*    Units 26 15

Gain the skills needed to teach children from birth to twelve years old in childcare centres, kindergartens and primary schools.

You'll complete 91 days of placement during the course to put into practice the skills you'll learn and to gain practical experience in the classroom. All students are required to sit the CASPer test and have a valid police check and Working with Children Check.

**Professional accreditation** This degree is professionally accredited by the Australian Children's Education and Care Quality Authority (ACECQA) and the Victorian Institute of Teaching (VIT). Both enable graduates to register and teach Australia-wide.

### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). All applicants must also sit the CASPer test as required by the Australian Government.

### Pathway options

- Diploma of Early Childhood Education and Care CHC50113 see page 50

### Career opportunities

- Early childhood director
- Early childhood worker.

## Bachelor of Education [Early Childhood Teaching]

⌚ 4 yrs FT / 8 yrs PT    📍 H or D    ⭐ 65^    ↗ V or D    Units 24 44

Learn how to keep tiny attention spans interested and prepare for a rewarding career in kindergartens, preschools, early learning centres and more.

All students are required to sit the CASPer test and have a valid police check and Working with Children Check.

**Professional accreditation** This degree is professionally accredited by the Australian Children's Education and Care Quality Authority (ACECQA) and the Victorian Institute of Teaching (VIT). Both enable graduates to register and teach Australia-wide.

### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL). All applicants must also sit the CASPer test as required by the Australian Government.

### Pathway options

- Diploma of Early Childhood Education and Care CHC50113 see page 50
- Diploma of Teacher Education Preparation 22451VIC see page 50

### Career opportunities

- Early childhood teacher.

## Bachelor of Education [Primary]

⌚ 4 yrs FT / 8 yrs PT    📍 H or O    ⭐ 70#    ↗ V or D    Units 24 44

Learn the latest technology and teaching techniques to teach primary school children.

Develop the skills to design engaging and effective learning experiences through group work and school-based practical placements. All students are required to sit the CASPer test and have a valid police check and Working with Children Check.

**Professional accreditation** This degree is professionally accredited by the Australian Children's Education and Care Quality Authority (ACECQA) and the Victorian Institute of Teaching (VIT). Both enable graduates to register and teach Australia-wide.

### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

### Pathway options

- Diploma of Teacher Education Preparation 22451VIC see page 50

### Career opportunities

- Primary school teacher.

\*The online version of this degree is through Direct application only.

# Education

## Bachelor of Education Studies

⌚ 3 yrs FT ⚡ H ⚡ 60+ ⚡ V or D Units 16 8

Discover how children learn. Critically review theory and practice in the primary school and early childhood areas.

Plan and implement effective teaching and learning in diverse contexts. Develop the skills for the future education workforce by tailoring your electives to a variety of education environments.

## Diplomas and certificates

### Early childhood education

#### Diploma of Early Childhood Education and Care (CHC50113)

⌚ 1.5 yr FT / 3 yrs PT ⚡ C H W ⚡ V or D

Designed for those who are interested in working in the early childhood 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.

All students are required to have a valid police check and Working With Children Check.

#### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience. Applicants must be able to perform physical activities.

#### Pathway opportunities

- Bachelor of Education (Early Childhood and Primary)
- Bachelor of Education (Early Childhood Teaching).

#### Career opportunities

- Early childhood educator.

Unit types			
Core	Elective	Major	Prof Placement

### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

### Career opportunities

Graduates may work within the field of education in non-teaching roles such as those dedicated to policy, administration or management. Potential employment settings include government, local councils, community programs, galleries and museums, educational agencies, corporate and non-profit groups.

#### Certificate III in Early Childhood Education and Care (CHC30113)

⌚ 18 wks FT / 36 wks PT ⚡ C H W ⚡ D

Gain the skills needed for a career with children aged six and under. This course is the minimum qualification for those seeking work in childcare.

All students are required to have a valid police check and Working With Children Check.

#### Prerequisites

Applicants must be able to perform physical activities.

#### Career opportunities

- Early childhood educator.

#### Educational studies

#### Diploma of Teacher Education Preparation (22451VIC)

⌚ 1 yr FT ⚡ H ⚡ V or D

Gain the skills and knowledge needed to progress to a bachelor degree in education and to help prepare you for work in an educational setting.

Students are required to have a valid police check and Working With Children Check.

#### Prerequisites

Satisfactory completion of Units 3 and 4: English or English (EAL); Units 1 and 2: any Mathematics.

#### Pathway opportunities

- Bachelor of Education (Primary)
- Bachelor of Education (Early Childhood Teaching).

#### Duration

FT Full-time  
C Croydon  
H Hawthorn

#### Location

W Wantirna  
O Online  
EV External venue

#### Entry ATAR

RC Range of criteria  
^ Guaranteed entry  
# Minimum entry

#### Where to apply

V VTAC  
D Direct

# Engineering

Engineers have the potential to change the way we live. (And with great power, comes great responsibility.) From civil and mechanical, to biomedical, electrical, and software engineering, our courses will provide you with the comprehensive theory and practical skills you'll need to thrive in your engineering career.

With an engineering degree, you could go on to a career in the building or construction, software, transport, industrial design, energy, or civil infrastructure industries.

### 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.

Our engineering degrees are professionally accredited by Engineers Australia. Graduates are also eligible to register with the Board of Engineers Malaysia (BEM).

## Courses at a glance

Unit types ■ Core ■ Major ■ Elective ■ Accred. Placement

### Bachelor of Digital Construction Management

12 8 4

### Bachelor of Engineering (Honours) (Professional)

12 16 24

### Bachelor of Engineering (Honours)

12 16 4

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

### Associate Degree of Applied Technologies

3 13

### Associate Degree of Engineering

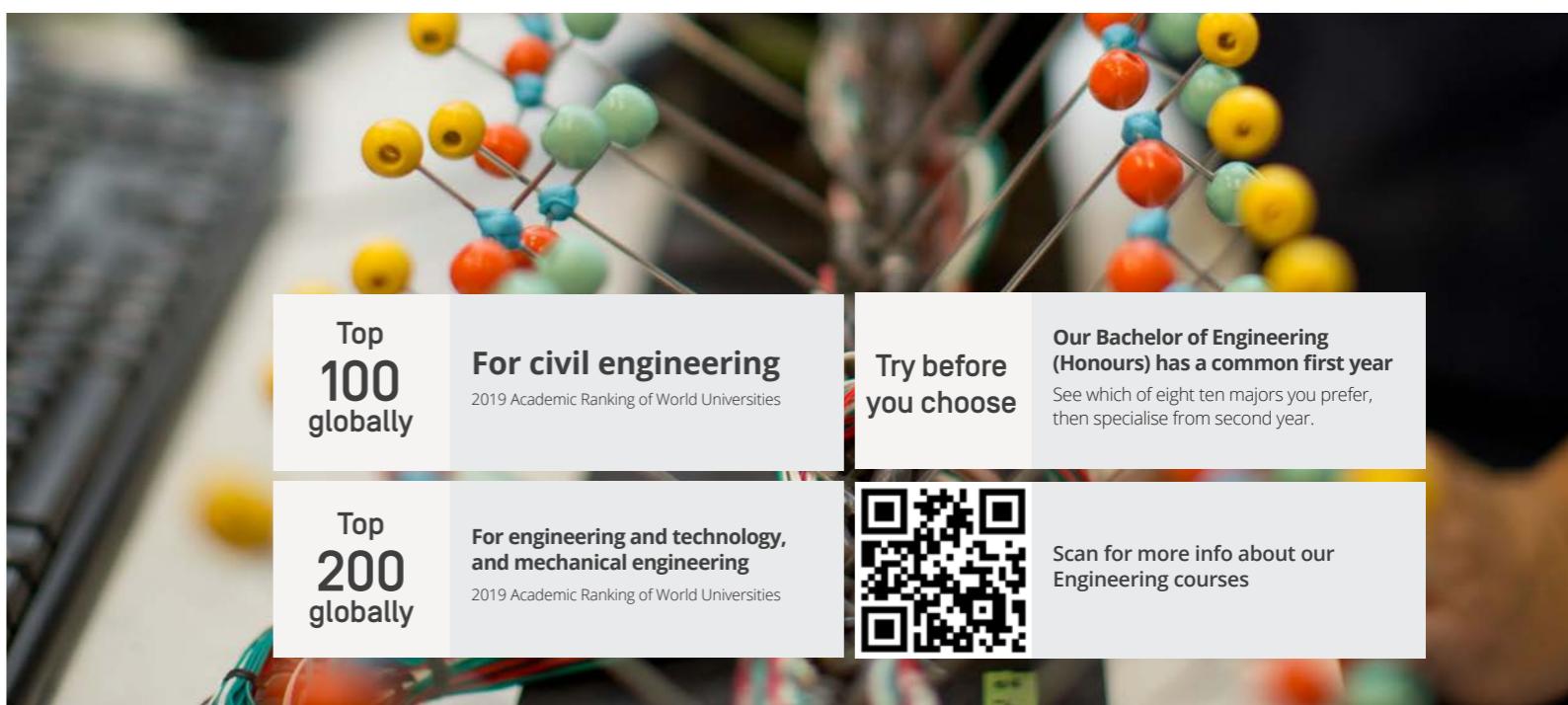
12 4

### Diplomas and certificates in

- Civil Engineering
- Construction
- Electric and Electronic
- Mechanical Engineering
- Robotics and Mechatronics

#### Also see

- Certificate IV in Engineering (MEM40119) page 93



# Engineering



## Engineering success

Jessica paved the way for a successful career in engineering – all while she was studying. In 2019, she was a finalist in the Australian Financial Review's Top 100 Future Leaders competition, won the Jacobs Engineering Consulting Award, was named 2018 Swinburne University Vice-Chancellor's Leader of the Year and completed a 12-month placement with Melbourne Water as part of her degree.

"I loved going to work and using what I learnt there in my studies. I'm so glad I chose Swinburne. It suited my personality. Everyone was so down-to-earth and helpful. The environment on campus is unlike anywhere else."

### Jessica

Bachelor of Engineering (Honours)

## Bachelor of Digital Construction Management

⌚ 3 yrs FT / 6 yrs PT ⚡ H ★ 65^ ✅ V or D Units 12 8 4

In an Australian first, we've partnered with a global tech company to provide you with industry-standard, state-of-the-art hardware and software technology that you'll use in this course to prepare you for a career in construction management with high-level digital skills.

You'll learn to identify and use various digital technologies and sophisticated techniques including modelling and simulations for a range of construction management aspects such as time, cost, quality, productivity, safety and sustainability.

Unit types	
Core	Elective
Major	Prof Placement

⌚ Duration	⌚ Location	W Wantirna	★ Entry ATAR	RC Range of criteria	Where to apply
FT Full-time	C Croydon	O Online	^ Guaranteed entry	V For more information about ATARs, please refer to page 100.	V VTAC
PT Part-time	H Hawthorn	EV External venue	# Minimum entry		D Direct

## Bachelor of Engineering (Honours) [Professional]

⌚ 5 yrs FT / 10 yrs PT ⚡ H ★ 85^ ✅ V Units 12 16 24

## Bachelor of Engineering (Honours)

⌚ 4 yrs FT / 8 yrs PT ⚡ H ★ 75^ ✅ V or D Units 12 16 4

Complete core units in your first year that introduce different engineering fields and to assist in selecting a major.

Apply your learning in a professionally focused, multidisciplinary project during your final year of study. Undertake at least 12 weeks of professional experience.

**Combine this degree with** Bachelor of Business, Bachelor of Computer Science, Bachelor of Laws or Bachelor of Science (double degree duration 5 to 6.5 years).

**Professional degree** This degree extends the standard degree to include a professional placement co-major comprising a 12-month work placement.

**Professional accreditation** Our engineering degrees are professionally accredited by Engineers Australia.

## Prerequisites

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 or Specialist Mathematics.

## Pathway options

- Diploma of Engineering (UniLink) see page 55
- Associate Degree of Engineering see page 54
- Advanced Diploma of Engineering Technology 22479VIC – Civil Engineering Design see page 55
- Advanced Diploma of Engineering Technology 22479VIC – Mechanical Engineering Design see page 55
- Advanced Diploma of Engineering Technology 22479VIC – Mechatronics Engineering Design see page 55

## Majoring in

### Architectural

Combine innovative design principles with an engineering approach to architecture. Gain the technical expertise and management skills needed to plan, design and build spaces that people want to live and work in. Apply best practices in sustainability, health and wellbeing, and SMART technology to architecture.

## Career opportunities

- Design engineer
- Structural systems engineer
- Architectural engineer
- Project engineer.

## Majoring in

### Biomedical

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.

## Career opportunities

- Biomedical engineer
- Clinical engineer
- Medical device designer
- Power engineer
- Medical electronics engineer.

## Majoring in

### Civil

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.

## Career opportunities

- Civil engineer
- Mechanical project engineer
- Design engineer
- Project and technology manager
- Engineering project manager.

## Majoring in

### Electrical and Electronic

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.

## Career opportunities

- Electrical engineer
- Electronics engineer
- Communications engineer
- Power engineer
- Design engineer.

## Majoring in

### Mechanical

Learn the core concepts of mechanics, kinematics, thermodynamics, fluid mechanics and energy. Go beyond the classroom and participate in industry projects and practical workshops.

## Career opportunities

- Mechanical engineer
- Mechanical project engineer
- Design engineer
- Project and technology manager
- Engineering project manager.

## Majoring in

### Product Design

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.

## Career opportunities

- Industrial designer
- Industrial engineer
- Product designer
- Product design engineer
- Entrepreneur
- Design consultant.

# Engineering

Unit types	
Core	Elective
Major	Prof Placement

Duration	Location	Entry ATAR	Range of criteria	Where to apply
FT Full-time	W Wantirna	★	For more information about ATARs, please refer to page 100.	V VTAC
C Croydon	O Online	^ Guaranteed entry		D Direct
PT Part-time	H Hawthorn	# Minimum entry		
	EV External venue			

Majoring in

## Robotics and Mechatronics

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.

### Career opportunities

- Robotics and mechatronics engineer
- Control systems engineer
- Factory automation adviser
- Robotics developer.

Majoring in

## Software

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.

### Career opportunities

- Software engineer
- Software systems developer
- Software modeller
- Project and technology manager.

## Associate Degree of Applied Technologies

⌚ 2 yrs FT / 4 yrs PT ⚡ H RC ↗ V or D Units 3 13

Digitalisation and Industry 4.0 demands fresh new skills and knowledge that can be transferred to the workforce of the future.

This course will equip you with essential professional and technical skills in one of three specialisations: Advanced Manufacturing, Civil Infrastructure or Building Information Modelling.

Engage in project-based learning using real construction projects with opportunities to collaborate and network with industry partners.

## Associate Degree of Engineering

⌚ 2 yrs FT / 4 yrs PT ⚡ H ★ 60^ ↗ V or D Units 12 4

This course is a broad-based point of entry into employment as an associate engineer and offers the chance to move into study at bachelor level. Learn about civil engineering, electrical engineering, engineering management and mechanical engineering.

### Prerequisites

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.

### Career opportunities

- Service technician
- Engineering technician
- Site installation technician
- BIM coordinator.

### Prerequisites

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

### Pathway opportunities

- Bachelor of Engineering (Honours)
- Bachelor of Engineering (Honours) / Bachelor of Business
- Bachelor of Engineering (Honours) / Bachelor of Computer Science
- Bachelor of Engineering (Honours) / Bachelor of Science

### Career opportunities

- Para-professional engineer
- Engineering officer
- Associate engineer.

## Diplomas and certificates

### Civil Engineering

#### Advanced Diploma of Engineering Technology (22479VIC) – Civil Engineering Design

⌚ 2 yrs FT / 4 yrs PT ⚡ H ↗ V or D

Gain technical skills and knowledge needed to apply engineering and scientific principles when managing, designing or executing projects.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

### Pathway opportunities

- Bachelor of Engineering (Honours)
- Bachelor of Laws / Bachelor of Engineering (Honours).

### Career opportunities

- Draftsperson
- Technical officer
- Construction supervisor.

### Electrical and electronic engineering

#### Advanced Diploma of Engineering Technology – Electrical (UEE62111)

⌚ 2 yrs FT ⚡ H ↗ V or D

Build the skills needed to evaluate, design, update and implement industrial automation systems to a technical and pre-degree level. Gain a working knowledge of hydraulics, pneumatics, programming, robotics, industrial networking and electrical engineering.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

### Pathway opportunities

- Bachelor of Engineering (Honours) / Bachelor of Science
- Bachelor of Engineering (Honours) / Bachelor of Computer Science
- Bachelor of Engineering (Honours) / Bachelor of Science.

### Career opportunities

- Technical officer
- Systems technician
- Electrical technician
- Service technician.

### Engineering

#### Diploma of Engineering (UniLink)

⌚ 8 mths FT / 16 mths PT ⚡ H ↗ V or D

This higher education diploma provides an alternative pathway to the second year of a bachelor degree. Complete units in electronic systems, energy and motion, calculus and applications, materials and processes, mechanics of structures, digital and data systems, engineering, design and innovation.

### Prerequisites

Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 20 in English (EAL); and Units 3 and 4: a minimum study score of 20 in Mathematical Methods or Specialist Mathematics.

### Pathway opportunities

- Bachelor of Aviation
- Bachelor of Aviation Management
- Bachelor of Aviation Management / Bachelor of Business
- Bachelor of Engineering (Honours)
- Bachelor of Engineering (Honours) / Bachelor of Business
- Bachelor of Engineering (Honours) / Bachelor of Computer Science
- Bachelor of Engineering (Honours) / Bachelor of Science.

Gain technical skills and knowledge needed to apply engineering and scientific principles when managing, designing or executing projects.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

### Pathway options

- Bachelor of Engineering (Honours)

### Career opportunities

- Technical officer
- Systems technician
- Draftsperson.

### Mechanical

#### Advanced Diploma of Engineering Technology (22479VIC) – Mechanical Engineering Design

⌚ 2 yrs FT / 4 yrs PT ⚡ H ↗ V or D

Gain technical skills and knowledge needed to apply engineering and scientific principles when managing, designing or executing projects.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

### Pathway opportunities

- Bachelor of Engineering (Honours)
- Bachelor of Laws / Bachelor of Engineering (Honours)

### Career opportunities

- Mechanical officer
- Maintenance technician
- Draftsperson.

### Robotics and mechatronics

#### Advanced Diploma of Engineering Technology (22479VIC) – Mechatronics Engineering Design

⌚ 2 yrs FT / 4 yrs PT ⚡ H ↗ V or D

Gain technical skills and knowledge needed to apply engineering and scientific principles when managing, designing or executing projects.

### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

### Pathway options

- Bachelor of Engineering (Honours)

### Career opportunities

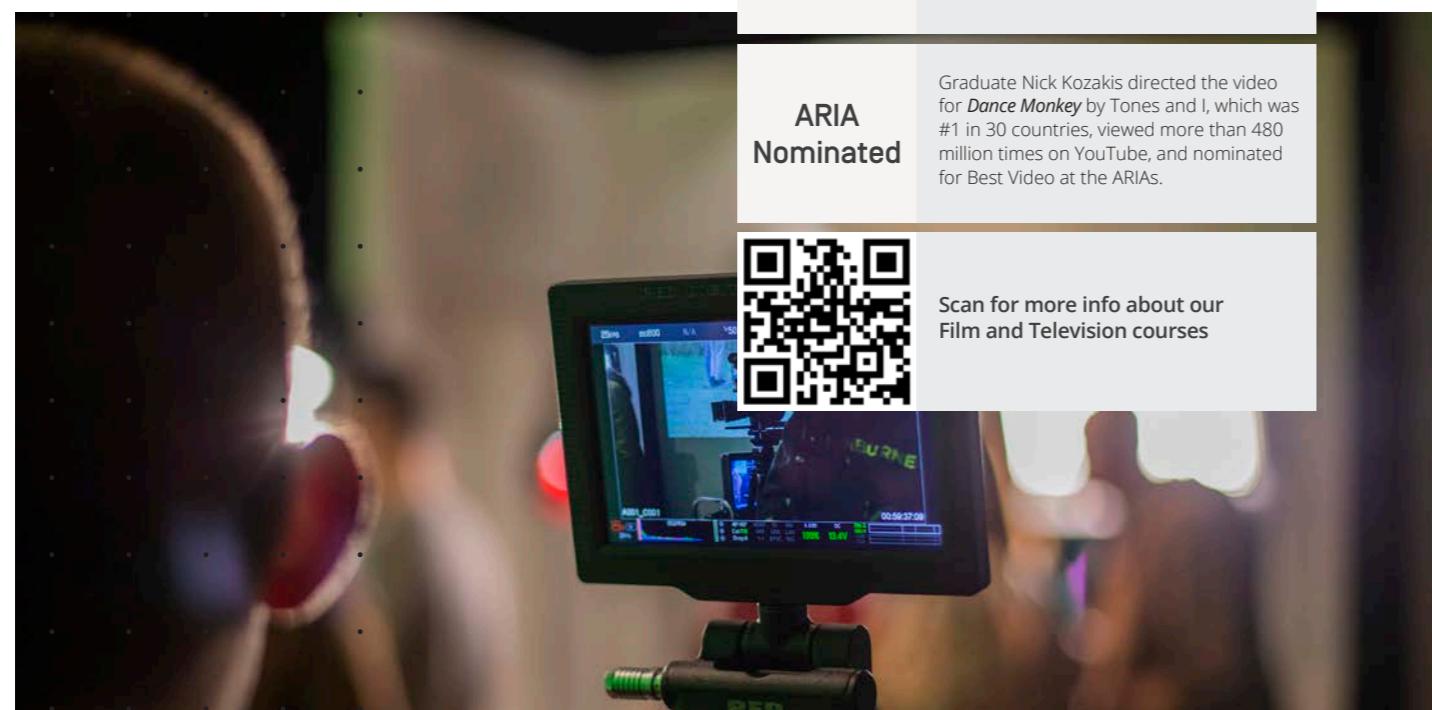
- Technical officer
- Systems technician
- Draftsperson.

# Film and Television

We understand the big picture – and the small screen. Our leading film school's range of film and TV courses combine foundational knowledge with practical skills that will ensure you're well equipped for your career ahead. From working behind the scenes to screenwriting or producing special effects, our students have gone on to showcase work and win awards in local and international film festivals. Whatever future you can picture, it all begins here. Maybe make space on your mantelpiece for that Oscar now?

## 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, Games Developers' Association of Australia, Melbourne Art Directors Club, Screen Producers Association of Australia and Screen Services Association of Victoria.



## Courses at a glance

**Unit types** ■ Core ■ Major ■ Elective

**Bachelor of Film and Television (Honours)**

8 ■ 16 ■ 8

**Bachelor of Screen Production**

4 ■ 8 ■ 12

### Diplomas and certificates in

- Film and Television
- Screen and Media
- Sports Media

### Also see

- Bachelor of Animation page 61
- Advanced Diploma of Screen and Media (CUA60615) – Animation page 62
- Diploma of Screen and Media (CUA51015) – Animation page 62

## World's Best

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

## Berlin Premiere

Graduate Takumi Kawakami's short film *Paper Crane* premiered at the 68<sup>th</sup> Berlin International Film Festival.

## ARIA Nominated

Graduate Nick Kozakis directed the video for *Dance Monkey* by Tones and I, which was #1 in 30 countries, viewed more than 480 million times on YouTube, and nominated for Best Video at the ARIAs.



⌚ Duration	⌚ Duration	📍 Location	W Wantirna	⭐ Entry ATAR	RC Range of criteria
FT Full-time	C Croydon	O Online	H Hawthorn	Guaranteed entry	For more information about ATARs, please refer to page 100.
PT Part-time	EV External venue	# Minimum entry		# Minimum entry	
				Where to apply	V VTAC D Direct

## Bachelor of Film and Television (Honours)

⌚ 4 yrs FT / 8 yrs PT    📍 H    ⭐ 85#    ⌚ V or D    Units 8 ■ 16 ■ 8

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.

**Also see** Bachelor of Animation page 61, and Bachelor of Design with a major in Motion Design page 43.

### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

### Pathway options

- Advanced Diploma of Screen and Media CUA60615 – Film and Television see page 58

### Career opportunities

- Screenwriter
- Director
- Cinematographer
- Editor
- Producer
- Post production manager.

## Bachelor of Screen Production

⌚ 3 yrs FT / 6 yrs PT    📍 H    ⭐ 60^    ⌚ V or D    Units 4 ■ 8 ■ 12

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.

### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

### Pathway options

- Advanced Diploma of Screen and Media CUA60615 – Film and Television see page 58

### Career opportunities

- Digital media producer
- Digital sound production
- Social media specialist
- Digital project manager
- Digital media consultant.



An Oscar-shortlisted short film was an impossible dream when they started a Bachelor of Film and Television at Swinburne. But for Andrew Goldsmith and Bradley Slabe, along with fellow alumni Rennie Watson and Dave Abbott, it became a very exciting reality when their seven-minute animated stop-motion film, *Lost & Found*, was shortlisted for the 2019 Academy Awards. It took the team three years of story development, 14 months of shooting and almost 6,000 hours of work to bring the film to life, and it all began at Swinburne. "Swinburne had a reputation for being a top film course that was both theoretical and hands-on, which appealed a lot to me," says co-director Andrew. "Another valuable part of the course was forming relationships with people who are the future of the industry."

**Andrew Goldsmith and Bradley Slabe, Rennie Watson, Dave Abbott**

Film and Television (Andrew and Bradley), Design (Rennie), and Multimedia and Media Studies (Dave).

<b>Duration</b>	<b>Location</b>	W Wantirna C Croydon H Hawthorn	<b>Entry ATAR</b>	RC Range of criteria ^ Guaranteed entry # Minimum entry	<b>Where to apply</b>
FT Full-time PT Part-time				For more information about ATARs, please refer to page 100.	V VTAC D Direct

## Diplomas and certificates

### Film and screen production

#### Advanced Diploma of Screen and Media (CUA60615) – Film and Television

⌚ 1 yr FT ⚡ H ➔ V or D

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.

#### Prerequisites

Successful completion of Diploma in Screen and Media (specialising in Film and Television) or equivalent, or relevant experience.

#### Pathway opportunities

- Bachelor of Arts
- Bachelor of Film and Television (Honours)
- Bachelor of Media and Communication
- Bachelor of Screen Production.

#### Career opportunities

- Producer
- Director
- Cinematographer
- Screenwriter
- Editor
- Visual effects artist
- Production manager.

#### Diploma of Screen and Media (CUA51015) – Film and Television

⌚ 1 yr FT ⚡ H ➔ V or D

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.

#### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent or relevant work experience.

#### Career opportunities

- Technical assistant
- Production assistant
- Assistant director
- Camera operator
- Audio and visual editor.

### Sports media

#### Diploma of Screen and Media (CUA51015) – Sports Media

⌚ 1 yr FT ⚡ H ➔ V or D

Develop the skills and knowledge to produce sports content for the screen and media industries. Gain skills in sports journalism, writing, commentary, media management, social media, photography, and audio and video production. You'll graduate with a portfolio of work to enhance your employment opportunities.

#### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

#### Pathway opportunities

- Bachelor of Design
- Bachelor of Media and Communication

#### Career opportunities

- Sports journalist
- Sports commentator
- Sports writer
- Sports researcher/programmer
- Sports public relations writer
- Multimedia/digital content producer.

#### Certificate IV in Screen and Media (CUA41215)

⌚ 1 yr FT ⚡ H ➔ V or D

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.

#### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent or relevant work experience.

#### Career opportunities

- Technical assistant
- Production assistant
- Assistant director
- Camera operator
- Audio and visual editor.

# Games and Animation

## Courses at a glance

**Unit types** ■ Core ■ Major ■ Elective

### Bachelor of Animation

8 8 8

### Bachelor of Games and Interactivity

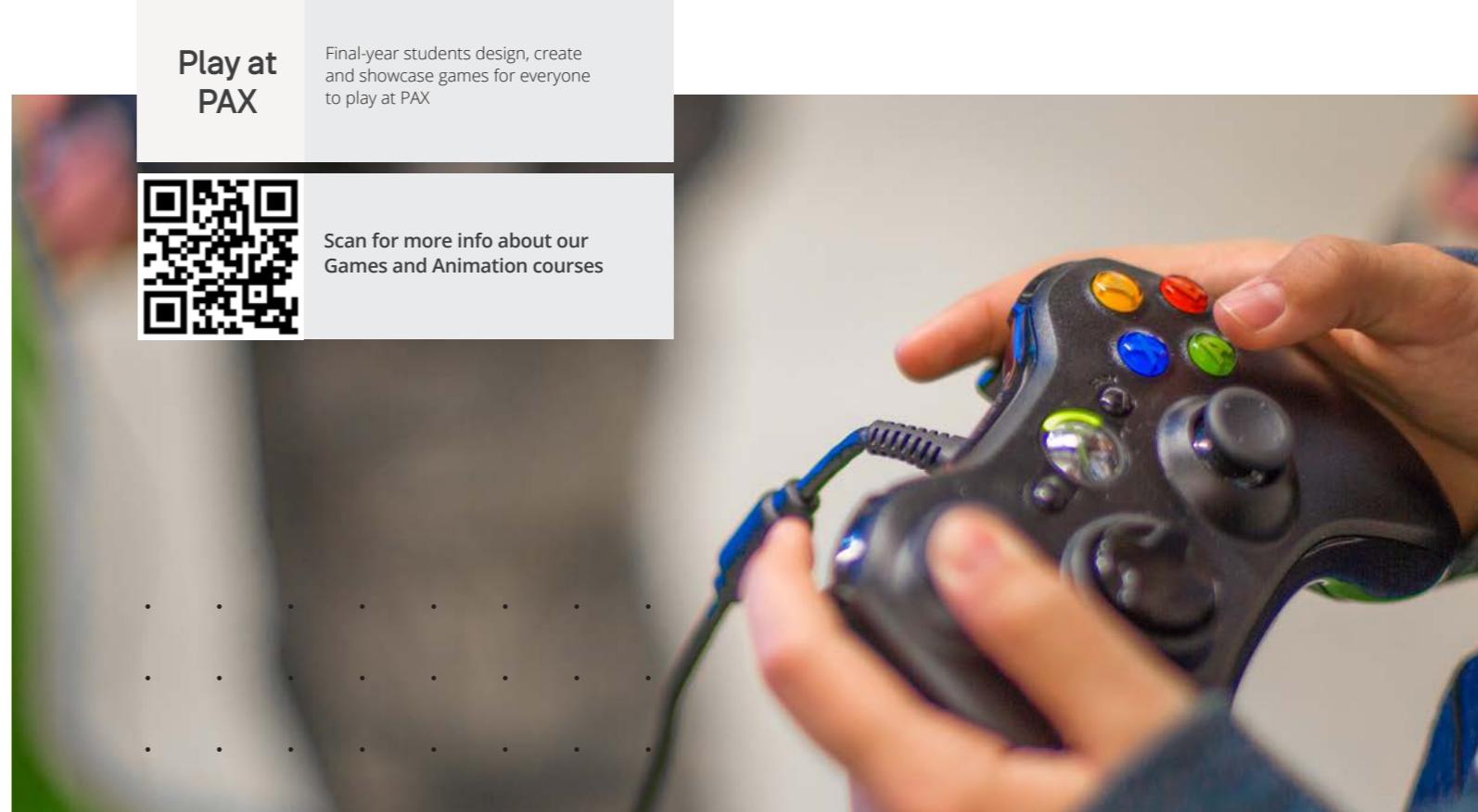
4 8 12

#### Diplomas and certificates in

- Animation
- Digital and Interactive Games

#### Also see

- Bachelor of Arts with a major in Games and Interactivity page 22
- Bachelor Computer Science with a major in Games Development page 72
- Bachelor of Design with a major in Motion Design page 43
- Bachelor Media and Communication with a major in Games and Interactivity page 81
- Diploma of Information Technology (ICT50118)
  - Website Design and Development page 75
- Certificate IV in Screen and Media (CUA41215) page 58



# Games and Animation



## Best student game in the world

It's a pretty handy credit to add to your LinkedIn profile. And it's one that a group of Swinburne students claimed at LA's prestigious The Game Awards in 2017. Their entry, a 2D puzzle platformer game called *Level Squared* (or *LVL<sup>2</sup>*), won the inaugural Student Game Award, beating out entries from all over the world. Not bad for a first effort.

In accepting the award, design lead and student Stephen said Swinburne is "the best place in Australia to learn how to make games". The entire team, known as Glitch Crab Studios, said that having access to the mentorship of Swinburne's teachers were crucial to their success.

Unit types	
Core	Elective
Major	Prof Placement

Duration	Location	Entry ATAR	Range of criteria
FT Full-time	W Wantirna	Guaranteed entry	For more information about ATARs, please refer to page 100.
C Croydon	O Online	# Minimum entry	
PT Part-time	H Hawthorn		
	EV External venue		

## Bachelor of Animation

⌚ 3 yrs FT / 6 yrs PT ⚡ H ☆ 65^ ✅ V or D Units 8 8 8

Gain practical, hands-on experience in 2D, 3D and stop-motion animation for film and television, visual effects and games.

Learn about film, television and animation history and theory; and the development of narrative structures as applied to animation.

**Combine this degree with** Bachelor of Games and Interactivity (double degree duration 4 years).

**Also see** Bachelor of Design with a major in Motion Design page 43.

## Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

## Pathway options

- Advanced Diploma of Screen and Media - Animation CUA60615 see page 62

## Career opportunities

- Cinematographer
- Editor
- 2D and 3D animators
- Stop motion animator
- Director
- Producer
- Screenwriter.

## Bachelor of Games and Interactivity

⌚ 3 yrs FT / 6 yrs PT ⚡ H ☆ 65^ ✅ V or D Units 4 8 12

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.

**Combine this degree with** Bachelor of Animation or Bachelor of Computer Science (double degree duration 4 years).

**Also see** Bachelor of Arts with a major in Games and Interactivity page 22, Bachelor of Computer Science with a major in Games Development page 72, and Bachelor of Media and Communication with a major in Games and Interactivity page 81.

## Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

## Pathway options

- Diploma of Arts and Communication (UniLink) see page 24
- Diploma of Business (UniLink) see page 39
- Diploma of Design (UniLink) see page 45
- Diploma of Digital and Interactive Games ICT50215 see page 62

## Career opportunities

- Games developer
- Multimedia developer.



<b>Duration</b>	<b>Location</b>	W Wantirna C Croydon PT Part-time	<b>Entry ATAR</b>	RC Range of criteria ^ Guaranteed entry # Minimum entry	<b>Where to apply</b>
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## Diplomas and certificates

### Animation

#### Advanced Diploma of Screen and Media (CUA60615) – Animation

⌚ 1 yr FT ⚡ H ✉ V or D

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 storyboarding techniques, and production processes for animation, including 2D and 3D animation and special effects.

#### Prerequisites

Successful completion of Diploma in Screen and Media (specialising in Animation) or equivalent, or relevant experience.

#### Pathway opportunities

- Bachelor of Animation

#### Career opportunities

- Animator
- Visual effects designer
- Digital artist
- Production coordinator
- Motion effects developer
- 2D and 3D animator

#### Diploma of Screen and Media (CUA51015) – Animation

⌚ 1 yr FT ⚡ H ✉ V or D

Engage in a dynamic, creative and technical approach to the production of animation content for the screen and media industries. Learn pre-visualisation and storyboarding techniques, and production processes for animation, including 2D and 3D animation and special effects.

#### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

#### Pathway opportunities

- Bachelor of Design
- Bachelor of Media and Communication

#### Career opportunities

- Animator
- Visual effects designer
- Digital artist
- Production coordinator
- Motion effects developer
- 2D and 3D animator

### Digital and interactive games

#### Diploma of Digital and Interactive Games (ICT50215)

⌚ 1 yr FT ⚡ H ✉ V or D

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.

#### Prerequisites

Successful completion of Certificate IV in Digital and Interactive Games or equivalent, or relevant experience

#### Pathway opportunities

- Bachelor of Arts
- Bachelor of Computer Science
- Bachelor of Design
- Bachelor of Games and Interactivity
- Bachelor of Information and Communication Technology
- Bachelor of Media and Communication.

#### Career opportunities

- Multimedia designer
- Multimedia producer
- 2D and 3D animator
- Texture artist
- Games developer.

#### Certificate IV in Digital and Interactive Games (ICT40915)

⌚ 1 yr FT ⚡ H ✉ V or D

Learn about games design, game development using the Unity game engine, programming, 3D modelling and animation, and project management.

#### Prerequisites

Entry into this program is based on an applicant's study and/or relevant work history. Some additional criteria may also apply.

#### Career opportunities

- Multimedia designer
- Multimedia producer
- 2D and 3D animator
- Texture artist
- Games developer.

# Health

Health is about more than just kale and crunches. From counselling and nutrition, to exercise and sport science, to psychology, services provided by healthcare professionals are integral to improving the lives of our communities.

In our health courses, you'll examine the physical, psychological and social aspects of health, develop specialised skills and put them into practice through clinical placements. You'll discover how technology is disrupting and improving the industry, and learn in brand new facilities furnished with the latest equipment.

### Professional recognition

All of our three-year undergraduate majors in psychology are professionally accredited by the Australian Psychology Accreditation Council.

## Courses at a glance

Unit types ■ Core ■ Major ■ Elective

### Bachelor of Exercise and Sport Science

20 4

### Bachelor of Health Science (Professional)

8 8 8 4

### Bachelor of Health Science

8 8 8

- Biomedical Science
- Clinical Technologies
- Health Promotion
- Neuroscience
- Nutrition
- Psychology and Forensic Science
- Psychology and Psychophysiology

8 12 4  
8 16

### Diplomas and certificates in

- Allied Health
- Community Services
- Sport Development

#### Also see

- Bachelor of Nursing page 84
- Diploma of Sport (Sport Development) /Diploma of Leadership and Management (SIS50319/BSB51918) page 40

### Pathways to Postgrad

Prep yourself for a master degree in dietetics, occupational therapy, counselling, physiotherapy and more

### Only Uni in Australia

To have both MRI and MEG at a single site



Scan for more info about our Health courses



# Health

## Bachelor of Exercise and Sport Science

⌚ 3 yrs FT/ 6 yrs PT ⚡ H ⚡ 60<sup>A</sup> ↗ V or D Units 20 4

Improve the health, fitness and performance of individuals and teams through training, coaching and advice.

Learn how to navigate the increasingly digitised exercise and sport industry through access to cutting-edge laboratories and technology, including wearable sensors, virtual reality and 3D analysis equipment. Gain real-world experience through industry-based entrepreneurial and research projects.

Unit types	
Core	Elective
Major	Prof Placement

⌚ Duration	⌚ Location	W Wantirna
FT Full-time	C Croydon	O Online
PT Part-time	H Hawthorn	EV External venue

⭐ Entry ATAR	RC Range of criteria
^ Guaranteed entry	For more information about ATARs, please refer to page 100.
# Minimum entry	

↗ Where to apply
V VTAC
D Direct

## Bachelor of Health Science [Professional]

⌚ 4 yrs FT/ 8 yrs PT ⚡ H ⚡ 80<sup>A</sup> ↗ V Units 8 8 6 4

## Bachelor of Health Science

⌚ 3 yrs FT/ 6 yrs PT ⚡ H ⚡ 60<sup>A</sup> ↗ V or D Units 8 8 8 \*

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.

**Combine this degree with** Bachelor of Arts, Bachelor of Business, Bachelor of Media and Communication or Bachelor of Science (double degree duration 4–5 years).

**Professional degree** This degree extends the standard degree to include a professional placement co-major comprising a 12-month work placement.

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

**Also see** Bachelor of Nursing page 84.

### Prerequisites

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.

### Pathway options

- Diploma of Health Science (UniLink) see page 49.

### Career opportunities

- Sports scientist
- Performance analyst
- Coaching/development officer
- Strength and conditioning specialist
- Cardiac technician.

### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

### Pathway options

- Diploma of Business (UniLink) see page 39
- Diploma of Health Science (UniLink) see page 68

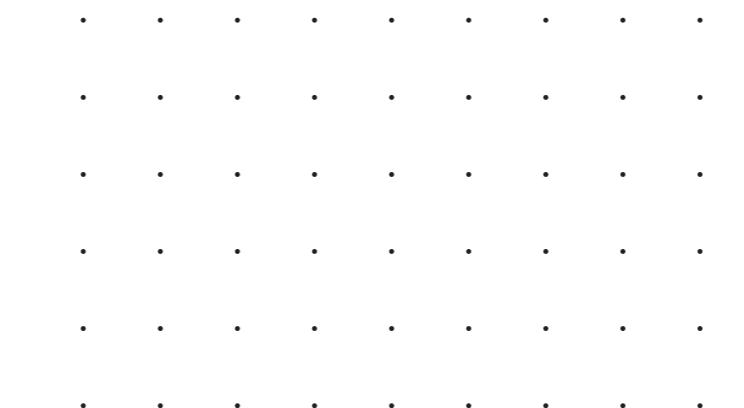
\*The following two majors have a different breakdown of units as per below:

### Psychology and Forensic Science

8 12 14

### Psychology and Psychophysiology

8 16



### Majoring in

#### Biomedical Science

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.

### Career opportunities

- Biomedical technician
- Hospital scientist
- Biotechnology product developer
- Clinical trials coordinator
- Medical laboratory scientist
- Microbiology technical officer.

### Majoring in

#### Clinical Technologies

Learn about anatomy and physiology using cutting-edge MedTech. Learn to use point-of-care, industry-standard devices to medically monitor cardiopulmonary, renal and neurophysiology systems. Develop knowledge about the technology and modern instrumentation used in clinical care and monitoring environments such as analytical and research laboratories.

### Career opportunities

- Hospital scientist
- Cardiac technologist
- Clinical neurophysiologist
- Respiratory technologist
- Sleep technologist.

### Majoring in

#### Health Promotion

Health promotion is essential for addressing contemporary health, social, and environmental challenges and enabling people to take control over their lives. Gain skills and knowledge in health science, statistics, cultural studies, communication and leadership.

### Career opportunities

- Community developer
- Health education and promotion officer
- Policy developer
- Government officer
- Community officer
- Project officer.

### Majoring in

#### Neuroscience

This major links biology and physiology with psychophysiology and neuroimaging. You'll learn to interpret data generated by MRI and MEG machines to identify healthy brains, brain disorders and diseases of the central nervous system. Discover cutting-edge technologies for measuring nervous system function as well as contemporary research in neurobiology.

### Career opportunities

- Neuroscientist
- Pharmaceutical representative
- Medical device technician
- Hospital scientist
- Clinical neurophysiology technologist
- Clinical trials manager Sleep technician.

### Majoring in

#### Psychology and Forensic Science

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.

### Professional accreditation

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

### Career opportunities

- Psychologist (with further study)
- Forensic psychologist (with further study)
- Behavioural therapist
- Medical researcher
- Counsellor
- Youth worker.

## Majoring in Psychology and Psychophysiology

Gain a broad introduction to a range of relevant studies in psychology, including cognition, developmental psychology, social psychology, personality, research 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.

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

### Career opportunities

- Scientist
- Technologist
- Psychologist (with further study)
- Psychophysiologist (with further study).

## Diplomas and certificates

### Community services

#### Diploma of Community Services (CHC52015)

⌚ 1.5 yrs FT ☈ CHW ↳ V or D

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.

**Prerequisites**  
Satisfactory completion of year 12 or equivalent. Applicants must be at least 17 years of age.

#### Professional accreditation

The Hawthorn course is professionally accredited by the Australian Community Workers Association. For more information on accreditation, please visit our website.

#### Prerequisites

Satisfactory completion of Year 12 or equivalent. Non-school leavers without formal qualifications are welcome to apply. Applicants must be at least 18 years of age and demonstrate competency in literacy and numeracy.

#### Pathway opportunities

- Bachelor of Arts
- Bachelor of Media and Communication.

#### Career opportunities

- Family support worker
- Case worker
- Juvenile justice worker
- Child protection worker
- Mental health support worker.

#### Certificate IV in Community Services (CHC42015)

⌚ 1 yr FT ☈ CHW ↳ V or D

Gain the knowledge and skills to work in the community services sector in residential and community settings. Learn how to design and deliver programs, as well as intervention processes.

**Prerequisites**  
Students are required to have a valid police check and Working with Children Check.

#### Career opportunities

- Family support worker
- Case worker
- Juvenile justice worker
- Child protection worker
- Mental health support worker.

#### Certificate IV in Youth Work (CHC40413)

⌚ 1 yr FT ☈ HW ↳ V or D

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.

Students are required to have a valid police check and Working with Children Check.

#### Prerequisites

Satisfactory completion of Year 12 or equivalent. Applicants must be at least 18 years of age and demonstrate competency in literacy and numeracy.

#### Career opportunities

- Youth worker
- Support worker (youth)
- Community development worker (youth)
- Juvenile justice worker

⌚ Duration	📍 Location	W Wantirna	⭐ Entry ATAR	RC Range of criteria	↳ Where to apply
FT Full-time	C Croydon	O Online	^ Guaranteed entry	V VTAC	
PT Part-time	H Hawthorn	EV External venue	# Minimum entry	D Direct	

### Counselling and therapy

#### Certificate IV in Mental Health (CHC43315)

⌚ 6 mths FT ☈ W ↳ V or D

Gain the knowledge and skills to work in community mental health. Designed with a balance between theory and practical learning, this course delves into topics such as mental health recovery and the promotion of ongoing wellbeing.

Students are required to have a valid police check and Working With Children Check.

#### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

#### Career opportunities

- Mental health support worker
- Mental health case worker
- Recreational activities youth worker.

#### Certificate IV in Mental Health Peer Work (CHC43515)

⌚ 1 yr PT ☈ W ↳ D

Use your lived experience with mental health issues to assist others. Develop therapeutic communication and coaching skills, as well as knowledge of current legislation affecting the operation of mental health services, including the NDIS. Provide support and hope to others with mental health issues.

Students are required to have a valid Working with Children Check, valid police check, and be 18 or older at the time of placement.

#### Prerequisites

Lived experience of a mental health issue or as a carer of someone with a mental health issue. Access to a computer with internet, microphone and web-cam. Applicants without formal qualifications but with significant relevant work experience are welcome to apply.

#### Career opportunities

- Peer practitioner
- Mental health peer support worker
- Consumer advocate
- Carer and family peer support.

### Health assistance

#### Certificate IV in Allied Health Assistance (Physiotherapy, Occupational Therapy) (HLT43015)

⌚ 6 mths FT ☈ W ↳ V or D

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 and occupational therapists.

Students are required to have a valid police check and Working with Children Check.

#### Prerequisites

Entry into this program is based on an applicant's study and/or relevant work history.

#### Career opportunities

- Health services assistant
- Hospital orderly
- Personal care assistant
- Patient service assistant
- Ward assistant.

#### Certificate III in Individual Support (CHC33015) – Ageing

⌚ 6 mths FT ☈ W ↳ D

Learn how to provide physical and social support to individuals and within the aged care community. Grow your skills in interpersonal communication, relationship building, and caring for people with diverse needs. This course also includes a clinical work placement.

Students are required to have a valid police check and Working with Children Check.

#### Prerequisites

Entry into this program is based on an applicant's study and/or relevant work history. Applicants must have a valid Police Check, and demonstrate competency in literacy and numeracy.

#### Career opportunities

- Individual support worker in aged care, home, and community setting.

## Certificate III in Individual Support (CHC33015) – Disability

⌚ 6 mths FT ☈ W ↳ D

Enable people with disabilities to become more independent and get involved in community and recreational activities. Empower people to live rich and full lives. Gain the skills, knowledge and values to provide individual care to people with disabilities in residential, community, health care and NDIS settings.

**Prerequisites**  
Students must have a valid Working with Children Check, valid police check, influenza immunisation, and be 18 or older at the time of placement.

**Prerequisites**  
Entry into this program is based on an applicant's study and/or relevant work history. Applicants must demonstrate competency in literacy and numeracy.

**Career opportunities**

- Disability support worker
- Personal care assistant
- Residential care officer
- Accommodation support worker
- NDIS support worker.

## Certificate III in Health Services Assistance (HLT33115)

⌚ 14 wks FT ☈ W ↳ D

Develop the foundational skills required to work directly with patients under the supervision of professional health staff in a highly functioning health system. Your understanding of how to assist and support these staff is critical to the care of patients and clients.

### Prerequisites

Entry into this program is based on an applicant's study and/or relevant work history. Applicants without formal qualifications but with significant relevant work experience are welcome to apply. Applicants will need to demonstrate literacy and numeracy competencies.

### Career opportunities

- Health services assistant
- Hospital orderly
- Personal care assistant
- Patient service assistant
- Ward assistant.

## Health science

### Diploma of Health Science (UniLink)

⌚ 8 mths FT/16 mths PT ☈ H ↳ V or D

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.

### Prerequisites

Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 20 in English (EAL).

### Pathway opportunities

- Bachelor of Exercise and Sport Science
- Bachelor of Health Science
- Bachelor of Psychological Sciences
- Bachelor of Science.

## Non-emergency patient transport

## Certificate III in Non-Emergency Patient Transport (HLT31115)

⌚ 6 mths FT ☈ W EV ↳ D

Gain the skills and knowledge to provide safe, non-emergency transport and care for patients suffering from an illness or disability. Develop the confidence to deliver first aid, drive non-emergency vehicles, provide appropriate patient assessment and follow procedures for safe patient transfers.

### Prerequisites

A full Victorian drivers licence, Learners and probationary licences will not be accepted.

### Career opportunities

- Non-emergency patient transport worker for organisations such as Royal Flying Doctors, Ambulance Victoria, local hospitals and private companies.

## Paramedical science

### Diploma of Paramedical Science (HLT51015)

⌚ 6 mths FT ☈ W ↳ D

Become an invaluable member of the healthcare industry and work as an Ambulance Transport Attendant (ATA). Gain real industry experience with 160 hours of clinical placement through our industry partner Health Select. This course will also prepare you to work in pre-hospital and out-of-hospital care.

### Prerequisites

Successful completion of the Certificate III in Non-Emergency Patient Transport (HLT31115).

### Career opportunities

- Ambulance Transport Attendant (ATA)
- Patient Transport Officer (PTO) or an Ambulance Community Officer (ACO) with Ambulance Victoria (in rural areas).

⌚ Duration	📍 Location	W Wantirna C Croydon H Hawthorn EV External venue	⭐ Entry ATAR	RC Range of criteria <i>For more information about ATARs, please refer to page 100.</i>	↳ Where to apply
FT Full-time C Part-time	O Online	# Minimum entry	V VTAC D Direct		

## Sports management

### Diploma of Sport (SIS50319)

⌚ 1 yr FT ☈ O ↳ D

Gain the skills and knowledge to pursue roles in the sports business sector. Learn about negotiation and risk management, legal and ethical responsibilities, team leadership, managing media relationships, strategy and resource allocation, and how to communicate with stakeholders, volunteers and athletes.

### Prerequisites

Successful completion of Victorian Year 12 or equivalent. Relevant work history will be considered and all applicants will undergo an interview. Some additional criteria may apply.

### Pathway opportunities

- Bachelor of Accounting
- Bachelor of Business
- Bachelor of Exercise and Sport Science.

### Career opportunities

- Competition manager
- Program developer
- Talent development manager
- Sport development manager
- Leisure and recreational facility coordinator.

## Certificate IV in Allied Health Assistance (HLT43015) – Sport and Fitness

⌚ 9 mths ☈ H ↳ D

Gain core skills such as fitness, physiotherapy, community health, and wellbeing. The course includes two placements, one in either a hospital or community rehabilitation setting, and the other working within the fitness industry. You'll learn how to deliver therapeutic programs, provide quality care in hospital, and gain experience in community rehabilitation and sport and fitness environments. Certifications include Senior First Aid, Mental Health First Aid, and Level 1 Sport Trainer (Sports Medicine Australia).

Students are required to have a valid police check and Working with Children Check.

### Prerequisites

Entry into this program is based on an applicant's study and/or relevant work history.

### Career opportunities

- Allied Health Assistant with a focus on the health and fitness industry.



## Human-sized iPads?

Forget just staring at textbooks – when you study health at Swinburne, you'll also be learning using the latest technology and equipment in our brand-new, state-of-the-art facilities. Like our Anatomy Lab. Learn about the human body using large interactive screens (think human-sized iPads), which allow you to expand your knowledge and understanding in an interactive way. Then take an even closer look at life with our augmented reality technology, immersing you right in the heart (sorry!) of things. That's not all. Our Exercise Physiology Laboratory houses the latest physiological and sensor technology equipment and our Nutrition and Dietetics Kitchen looks MasterChef-worthy.

# Information Technology

Today, tech is in everything. From the dinner you order, to the products you click and collect, to the video call you just made. If you want to rule the world, you'd better know your tech. And that's where the University of Technology comes in. Our information technology courses are known for providing the foundational knowledge and industry skills needed to apply tech to a range of settings.

Go on to a career in information technology, health, transport, finance, media, manufacturing, energy and beyond.

## Professional recognition

Our IT degrees are professionally accredited by the Australian Computer Society (ACS). The Bachelor of Engineering (Honours) with a major in software is professionally accredited by Engineers Australia.

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



Scan for more info about our Information Technology courses

**\$1.1M**  
Cisco  
Networking  
Academy

Six state-of-the-art labs  
and 700 Cisco devices

## Our courses at a glance

**Unit types** ■ Core ■ Major ■ Elective ■ Prof. Placement

**Bachelor of Computer Science (Professional)** ■ 8 ■ 8 ■ 6 ■ 4

**Bachelor of Computer Science** ■ 8 ■ 8 ■ 8

- Cybersecurity
- Data Science
- Games Development
- Internet of Things
- Network Design
- Software Design
- Software Development

**Bachelor of Information and Communication Technology** ■ 8 ■ 8 ■ 8

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

### Diplomas and certificates in

- Cybersecurity
- Information Technology
- Networks
- Software
- Website Design and Development

### Also see

- Bachelor of Business with a major in Business Analytics and Analysis page 35
- Bachelor of Business Information Systems with a major in Business Analysis or Data Analytics page 37
- Bachelor of Business Information Technology (Professional) page 38
- Bachelor of Engineering (Honours) with a major in Software Engineering page 54
- Associate Degree of Applied Technologies page 54



## Learning and leading

"Many universities offer academic knowledge, but not all of them prepare you to be an ICT professional, like Swinburne," says Cindy. Last year, in her IT Project class, she took on a brief from a real-world client. In the roles of project leader and database designer, she collaborated with a team of students from other faculties to deliver a solution. Apart from sharpening her programming skills, she says that she has also learnt so much about team dynamics and leadership.

### Cindy

Bachelor of Information and Communication Technology

**Our grads earn \$2.1K more than the national median salary**

Graduate Outcomes Survey 2017-2019

**#1 For student experience**

According to our graduates.  
Student Experience Survey 2018 and 2019, compared to other universities in Melbourne.

**\$1.1M Cisco Networking Academy**

Six state-of-the-art labs and 700 Cisco devices



# Information Technology

## Bachelor of Computer Science (Professional)

⌚ 4 yrs FT/ 8 yrs PT ⚡ H ★ 80^ ↗ V Units 8 8 6 4

## Bachelor of Computer Science

⌚ 3 Yrs FT/ 6 yrs PT ⚡ H ★ 70^ ↗ V or D Units 8 8 8

Learn about software development, the internet of things, networking and cybersecurity while gaining a sound understanding of the traditional aspects of computer science.

Explore contemporary approaches to application development involving mobile devices languages, including C++, C#, Objective C and Java.

**Professional degree** This degree extends the standard degree to include a professional placement co-major comprising a 12-month work placement.

**Professional accreditation** This degree is professionally accredited by the Australian Computer Society.

**Combine this degree with** Bachelor of Engineering (Honours), Bachelor of Games and Interactivity or Bachelor of Laws (double degree duration 4 to 5 years).

Unit types	
Core	Elective
Major	Prof Placement

⌚ Duration
FT Full-time
PT Part-time

⌚ Location
C Wantirna
C Croydon
O Online
H Hawthorn
EV External venue

★ Entry ATAR
^ Guaranteed entry
# Minimum entry

RC Range of criteria  
For more information about ATARs, please refer to page 100.

↗ Where to apply
V VTAC
D Direct

## Majoring in Cybersecurity

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.

### Career opportunities

- Cybersecurity consultant
- Digital forensics expert
- Information system security officer
- Cybersecurity system designer.

## Majoring in Data Science

Learn the statistical methods and tools needed to manage big data sets and the visualisation techniques needed to represent and understand that data.

### Career opportunities

- Data scientist
- Data analyst
- Business analyst
- Data solutions manager
- Information systems analyst
- Market intelligence analyst.

## Majoring in Games Development

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.

### Career opportunities

- software developer
- Video game creator
- Computer programmer
- Data solutions manager.

## Majoring in Internet of Things

Gain the core programming skills and knowledge needed to develop a variety of open-source Internet of Things (IoT) platforms, devices and software. Learn to solve problems by analysing data from internet-connected devices.

### Career opportunities

- Mobile application developer
- Full-stack software developer
- Solution architect
- IT consultant
- Digital developer.

## Prerequisites

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.

### Pathway options

- Diploma of Information Technology (UniLink) see page 74
- Diploma of Digital and Interactive Games ICT50215 see page 62
- Diploma of Software Development ICT50718 see page 75

## Majoring in Software Design

Learn the algorithms that drive big data, facilitate green computing and cybersecurity, and underpin the next generation of computer systems.

### Career opportunities

- Software designer
- Systems developer
- Software modeller
- Project and technology manager.

## Majoring in Software Development

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.

### Career opportunities

- Software developer
- Software designer
- Digital developer
- IT consultant.

## Bachelor of Information and Communication Technology

⌚ 3 Yrs FT/ 6 yrs PT ⚡ H O ★ 60^ ↗ V or D\* Units 8 8 8

Explore computer and network configurations, web and application programming, and database design and maintenance.

Specialise in a particular aspect of information and communication technology.

**Professional accreditation** This degree is professionally accredited by the Australian Computer Society.

**Also see** Bachelor of Business Information Systems page 37, and Bachelor of Business Information Technology (Professional) page 38.

## Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

### Pathway options

- Diploma of Business (UniLink) see page 39
- Diploma of Digital and Interactive Games ICT50215 see page 62
- Diploma of Software Development ICT50718 see page 75

## Majoring in Business Systems\*\*

Learn about database technologies and how to educate management on suitable technologies and their deployment.

### Career opportunities

- Business analyst
- Database analyst
- Information systems coordinator
- Management information systems analyst.

## Majoring in Network Technology

Specialise in the networking aspect of information and communication technology infrastructure. Gain four Cisco certifications.

### Career opportunities

- Network technician
- Telecommunication network designer
- Telecommunication network developer
- Network architect
- IT consultant.

## Majoring in Software Technology

Learn how to enhance and maintain existing applications and assist in the choice of software for the needs of an organisation.

### Career opportunities

- Systems architect
- Business requirements analyst
- Technical writer
- Application integration specialist
- Software developer.

\*The online version of this degree is through Direct application only.

\*\*This major is not available via Swinburne Online.

# Information Technology

<b>Majoring in</b>	<b>Majoring in</b>
<b>Systems Analysis*</b>	<b>Systems Management*</b>
Learn how to redesign business processes and describe the software and web applications that assist in creating more efficient working environments.	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.
<b>Career opportunities</b>	<b>Career opportunities</b>
<ul style="list-style-type: none"> <li>Quality assurance analyst</li> <li>Business requirements analyst</li> <li>User interface analyst</li> <li>Business analyst</li> <li>Database analyst.</li> </ul>	<ul style="list-style-type: none"> <li>Project manager</li> <li>Multimedia developer</li> <li>Systems architect</li> <li>Data mining specialist</li> <li>Help desk manager</li> <li>Business analyst.</li> </ul>

\*This major is not available via Swinburne Online.

## Diplomas and certificates

### Cybersecurity

#### Certificate IV in Cyber Security (22334VIC)

⌚ 1 yr FT ⚡ H ✅ V or D

Gain the skills and knowledge to secure networks, computer systems and support users, either in an independent cybersecurity support role or as part of a team.

#### Prerequisites

Satisfactory completion of Year 10 or equivalent.

### Information Technology

#### Diploma of Information Technology (UniLink)

⌚ 8 mths FT / 16 mths PT ⚡ H ✅ V or D

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.

#### Prerequisites

Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 20 in English (EAL).

#### Pathway opportunities

- Bachelor of Accounting
- Bachelor of Business
- Bachelor of Business Information Systems
- Bachelor of Business Information Systems / Bachelor of Business
- Bachelor of Computer Science
- Bachelor of Games and Interactivity
- Bachelor of Information and Communication Technology

### Networks

#### Diploma of Information Technology Networking (ICT50418)

⌚ 1 yr FT ⚡ H ✅ V or D

Gain the skills and knowledge needed to install and manage complex networks either as an independent information and communication technology specialist or as part of a team. Learn how to install and administer Linux and Microsoft operating systems, and network security. You can choose to specialise in cloud computing or in network design.

#### Prerequisites

Successful completion of Certificate IV in Information Technology Networking or demonstrated experience in network support.

#### Career opportunities

- Customer support
- Database support
- Network support technician
- Computer support technician
- User support technician.

⌚ Duration	📍 Location	W Wantirna	⭐ Entry ATAR	RC Range of criteria	↗ Where to apply
FT Full-time	C Croydon	O Online	^ Guaranteed entry	For more information about ATARs, please refer to page 100.	V VTAC
PT Part-time	H Hawthorn	EV External venue	# Minimum entry		D Direct

### Certificate IV in Information Technology Networking (ICT40418)

⌚ 1 yr FT ⚡ H ✅ V or D

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.

#### Prerequisites

Satisfactory completion of Year 12 or equivalent or relevant work experience

#### Career opportunities

- Customer support
- Database support
- Network support technician
- Computer

### Software

#### Diploma of Software Development (ICT50718)

⌚ 1 yr FT ⚡ H ✅ V or D

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

#### Prerequisites

Successful completion of Certificate IV in Information Technology (ICT40118), or equivalent.

#### Pathway opportunities

- Bachelor of Computer Science
- Bachelor of Information and Communication Technology

#### Career opportunities

- Application developer
- User interface analyst
- Data mining specialist
- Support programmer
- Web application developer.

### Certificate IV in Information Technology (ICT40118)

⌚ 1 yr FT ⚡ H ✅ V or D

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.

#### Prerequisites

Entry into this program is based on an applicant's study and/or relevant work history. Some additional criteria may also apply.

#### Career opportunities

- Computer programmer
- Database administrator
- IT support professional.

### Website Design & Development

#### Diploma of Information Technology (ICT50118) – Website Design and Development

⌚ 1 yr FT ⚡ H ✅ V or D

Learn the skills and knowledge needed to work in a range of front-end design and development roles. Develop skills in web design that focus on user experience (UX) and user interface (UI) design, plus, gain experience in web development with an emphasis on creating dynamic database-driven content.

#### Prerequisites

Satisfactory completion of Year 12 or equivalent or relevant work experience.

#### Career opportunities

- Web developer
- Web animator
- Project manager.

# Law

Open your world to the rigorous and intellectually challenging legal profession with our law courses.

You can integrate a Graduate Diploma in Legal Practice from the Leo Cussen Centre for Law with your bachelor degree. This shaves months off your study and means you qualify for admission to legal practice on the day you graduate – we're the only university in Victoria to offer this.

To futureproof your career, we emphasise innovation, technology and intellectual property in our courses. Want to really stand out from the crowd? Consider our range of double degrees.

## Professional recognition

The Bachelor of Laws satisfies the academic requirements to qualify for admission to practice as a lawyer in the Victorian and Australian Federal legal systems as set by the Victorian Legal Admissions Board. The graduate diploma offered with the Leo Cussen Centre for Law complies with the Practical Legal Training Component of qualifying to become an Australian lawyer.



## Our courses at a glance

**Unit types** ■ Core ■ Major ■ Elective

### Bachelor of Laws

19 13 3

### Diplomas in

- Justice

### Also see

- Bachelor of Criminal Justice and Criminology page 24

**Top  
150  
globally**

Swinburne Law School is one of the best law schools in the world  
Academic Ranking of World Universities by Subject 2020

**83%**  
secured jobs before graduating

Employers include Mills Oakley, Minter Ellison and Prior Law



Scan for more info about our Law courses

⌚ Duration	⌚ Location	W Wantirna	⭐ Entry ATAR	RC Range of criteria
FT Full-time	C Croydon	O Online	^ Guaranteed entry	For more information about ATARS, please refer to page 100.
PT Part-time	H Hawthorn	EV External venue	# Minimum entry	
			⌚ Where to apply	V VTAC D Direct

## Bachelor of Laws

⌚ 4 yrs FT/ 8 yrs PT ⌚ H ⭐ 85^ ⌚ V or D Units 19 13 3

In this well rounded and unique law degree you will discover how technology is transforming legal practice and learn the skills required to succeed in this new era. With a focus on legal tech, commercial law and an emphasis on intellectual property law, you'll learn how to protect the rights of those who create and innovate. You'll also undertake three professional placements of 20 days each and graduate with both legal experience and industry contacts.

**Professional accreditation** 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.

**Combine this degree with** Bachelor of Arts, Bachelor of Business, Bachelor of Business Information Systems, Bachelor of Computer Science, Bachelor of Criminal Justice and Criminology, Bachelor of Engineering (Honours), Bachelor of Media and Communication or Bachelor of Science (double degree duration 5 to 6.5 years).

**Also see** Bachelor of Criminal Justice and Criminology page 24.

## Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

## Career opportunities

- Solicitor
- Lawyer
- Legal adviser.

## Diplomas and certificates

### Justice

#### Diploma of Justice (22320VIC)

⌚ 1 yr FT/2 yrs PT ⌚ O ⌚ V or D

Learn the theory and practice behind operational functions within the Victorian criminal justice system. Covering areas such as foundation legal principles, management of adult offenders, how to work within family violence and culturally diverse circumstances, and more.

### Prerequisites

Applicants will be required to complete a supervised literacy and numeracy assessment to demonstrate they meet the required level.

### Pathway opportunities

- Bachelor of Accounting
- Bachelor of Criminal Justice and Criminology.

### Career opportunities

- Law clerk
- Clerks of court
- Customs officer
- Unsworn members of Victoria Police in areas of administration, statutory compliance officers, local/municipal law enforcement officers.



*"I transferred to Swinburne because it's practical and stimulating. Your assignments are based on 'real-world' examples and you're taught by actual practitioners who work in the legal field. The skills you learn inside the classroom are immediately transferable and can be applied outside the classroom. I also like the focus on intellectual property law – it's an area that will only continue to become more relevant and Swinburne Law is ahead of the curve on this."*

**Matt**

Bachelor of Laws

# Media and Communication

The digital age has rapidly transformed the way we communicate, making it an exciting time to begin a media career.

Our media and communication courses will take you on an exploration of social media, news, advertising, and the evolution of media, examining the power of words and images and how they shape the way we think.

Combining theory with hands-on experience, you'll open doors to a career in advertising, journalism, art direction, digital media, production and more.

## Professional recognition

Our media and communication 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 Australian 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 memberships.

## Our courses at a glance

**Unit types** ■ Core ■ Major ■ Elective ■ Prof. Placement

### Bachelor of Media and Communication (Professional)

4 ■ 8 ■ 10 ■ 4

### Bachelor of Media and Communication

4 ■ 8 ■ 12

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

## Diplomas and certificates in

- Journalism
- Media and Communication

### Also see

- Bachelor of Arts page 21
- Diploma of Professional Writing and Editing (CUA50118) page 25
- Certificate IV in Professional Writing and Editing (CUA40118) page 25
- Diploma of Screen and Media (CUA51015) – Sports Media page 58



"I've loved every subject and have been able to get a feel for many industries, including television, audio, advertising, graphic design and marketing. Another highlight has been great support from my lecturers and tutors – I never hesitate to ask for assistance and feedback. The welcoming and inclusive social aspect at Swinburne has meant that, once I graduate, I'll have life-long friends."

Catherine

Bachelor of Media and Communication



# Media and Communication

Unit types	
Core	Elective
Major	Prof Placement

Duration	Location	Entry ATAR	Range of criteria
FT Full-time	W Wantirna	Guaranteed entry	For more information about ATARs, please refer to page 100.
PT Part-time	C Croydon	# Minimum entry	
	O Online		
	H Hawthorn		
	EV External venue		

Where to apply
V VTAC
D Direct

## Bachelor of Media and Communication [Professional]

⌚ 4 yrs FT/ 8 yrs PT ⌐ H ⚪ 80+ ↵ V Units 4 8 10 4

## Bachelor of Media and Communication

⌚ 3 yrs FT/ 6 yrs PT ⌐ H ⚪ 60+ ↵ V or D Units 4 8 12

Develop capacity for critical analysis, creativity and problem-solving, and understanding of the relationship between theory, research and practice.

Choose from a wide range of major study areas, equipping you for diverse careers in areas such as media, management, finance, education and government.

**Professional degree** This degree extends the standard degree to include a professional placement co-major comprising a 12-month work placement.

**Combine this degree with** Bachelor of Business, Bachelor of Design, Bachelor of Health Science or Bachelor of Laws (double degree duration 4 years).

**Also see** Bachelor of Arts page 21.

### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

### Pathway options

- Diploma of Arts and Communication (UniLink) see page 24
- Advanced Diploma of Screen and Media CUA60615 – Film and Television see page 58
- Diploma of Community Services CHC52015 see page 66
- Diploma of Digital and Interactive Games ICT50215 see page 62
- Diploma of Professional Writing and Editing CUA50118 see page 25

### Majoring in

#### Games and Interactivity

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.

### Career opportunities

- Games developer
- Media producer
- Multimedia developer
- Video games developer.

### Majoring in

#### Media Industries

Develop the knowledge and skills needed to understand and prepare for roles in the media environment. Gain experience in making connections with industry.

### Career opportunities

- Public relations officer
- Advertising consultant
- Journalist
- Communications coordinator
- Content developer
- Media policy developer
- Radio production coordinator
- Digital media account manager.

### Majoring in

#### Public Relations

Study theories of influence, build your understanding of the media, and learn how to manage the public perception of an organisation. Develop skills in event management, writing, project management and issues communication to help companies build lasting relationships with the people most important to their success.

### Professional accreditation

This major is professionally recognised by the Public Relations Institute of Australia (PRIA).

### Career opportunities

- Communications officer
- Crisis manager
- Fundraising and sponsorship coordinator
- Public relations officer
- Marketing officer.

### Majoring in

#### Professional Writing and Editing

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.

### Career opportunities

- Journalist
- Publisher
- Writer
- Editor
- Public relations officer
- Novelist
- Screenwriter
- Copywriter.

### Majoring in

#### Social Media

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.

### Career opportunities

- Digital advertising specialist
- Digital marketer
- Social media officer
- Social media producer.

### Majoring in

#### Advertising

Gain vital knowledge and skills needed to succeed in the complex and creative world of advertising. Learn how to design advertisements that not only please clients but achieve the ultimate purpose of reaching the audience in the desired way.

### Professional accreditation

This major is professionally accredited by the Media Federation of Australia.

### Career opportunities

- Marketing and sales professional
- Public relations officer
- Advertising consultant
- Media planner
- Brand strategist.

### Majoring in

#### Cinema and Screen Studies

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.

### Career opportunities

- Broadcast presenter
- Film researcher
- Production coordinator
- Community arts worker
- Film distribution coordinator
- Film festival manager
- Entertainment journalist.

### Majoring in

#### Creative Writing and Literature

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.

### Career opportunities

- Journalist
- Publisher
- Writer
- Editor
- Novelist
- Screenwriter
- Producer
- Advertising consultant.

### Majoring in

#### Digital Advertising Technology

Learn how to design a unique digital experience for customers and develop highly sought-after skill in digital marketing and advertising. Get experience using Adobe Marketing Cloud, premium software used in creative agencies, marketing teams and digital consultancies around the world. Become an expert in the rapidly growing areas of digital analytics, search marketing, social media marketing and video marketing.

### Career opportunities

- Digital advertising specialist
- Advertising account manager
- Digital content manager
- Digital marketing coordinator
- Search marketing specialist
- Social media officer.

### Majoring in

#### Journalism

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 working online, television, radio and print outlets.

### Career opportunities

- Editor
- Journalist
- Radio producer
- Television presenter
- Publisher
- Social commentator.

⌚ Duration	📍 Location	W Wantirna	⭐ Entry ATAR	RC Range of criteria For more information about ATARS, please refer to page 100.	where to apply
FT Full-time	C Croydon	O Online	^ Guaranteed entry	V VTAC	
PT Part-time	H Hawthorn	EV External venue	# Minimum entry	D Direct	

## Diplomas and certificates

### Journalism

#### Diploma of Screen and Media (CUA51015) – Sports Media

⌚ 1 yr FT 📍 H ➔ D

Benefit from our unique partnership with Richmond Football Club and take a focused approach towards a career in the sports media industry. With access to an elite Melbourne sporting club, you will build the skills essential to developing high quality digital content with practical outcomes, and be well placed for employment in the sports industry. This course includes an internship.

#### Prerequisites

Satisfactory completion of Victorian Year 12 or equivalent, or relevant work experience.

#### Pathway opportunities

- Bachelor of Design
- Bachelor of Media and Communication

#### Career opportunities

- Sports journalist
- Social media coordinator
- Video/podcast producer
- Project manager
- Campaign manager
- Media manager.

### Media and communication

#### Diploma of Arts and Communication (UniLink)

⌚ 8 mths FT / 16 mths PT 📍 H ➔ V or D

This higher education diploma provides an alternative pathway into 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, marketing and critical thinking.

#### Prerequisites

Units 3 and 4 a minimum study score of 20 in English (or equivalent) or 20 in English (EAL).

#### Pathway opportunities

- Bachelor of Arts
- Bachelor of Criminal Justice and Criminology
- Bachelor of Games and Interactivity
- Bachelor of Media and Communication

# Nursing

## Our courses at a glance

Unit types ■ Core ■ Major ■ Elective ■ Prof. Placement

### Bachelor of Nursing

24

### Diplomas and certificates in

- Nursing

#### Also see

- Diploma of Paramedical Science (HLT51015) page 68
- Certificate IV in Allied Health Assistance (Physiotherapy, Occupational Therapy) (HLT43015) page 67
- Certificate III in Health Services Assistance (HLT33115) page 68
- Certificate III in Individual Support (CHC33015) – Ageing page 67
- Certificate III in Individual Support (CHC33015) – Disability page 68
- Certificate III in Non-Emergency Patient Transport (HLT31115) page 68



#1  
in Victoria

For learner engagement and student support  
More students felt they were engaged with and supported in their learning than at any other university in Victoria  
Good Universities Guide 2021



For Overall Experience  
Good Universities Guide 2021

#### Hands-on

In our Bachelor of Nursing you'll complete 800 hours of clinical placement



Scan for more info about our Nursing course

<b>Duration</b>	<b>Location</b>	W Wantirna	<b>Entry ATAR</b>	RC Range of criteria	<b>Where to apply</b>
FT Full-time	C Croydon	O Online	^ Guaranteed entry	For more information about ATARs, please refer to page 100.	V VTAC
PT Part-time	H Hawthorn	EV External venue	# Minimum entry		D Direct

### Bachelor of Nursing

⌚ 3 yrs FT/ 5 yrs PT ⚖ H ⚖ 65# ⚖ V or D Units 24

Undertake hands-on laboratory work and training in our new and redeveloped state-of-the-art clinical laboratories.

Complete 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.

**Professional accreditation** This degree has been accredited by the Australian Nursing and Midwifery Accreditation Council and is listed as an approved program of study on the Australian Health Practitioner Regulation Agency (AHPRA) website.

### Diplomas and certificates

#### Nursing

##### Diploma of Nursing (HLT54115)

⌚ 1.5 yrs FT ⚖ W ⚖ V or D

Build the essential skills and knowledge required to work under the supervision of a registered nurse in a variety of healthcare settings.

Learn 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.

Students are required to have a valid police check and Working with Children Check.

#### Prerequisites

VCE Units 3 and 4, with a minimum study score of 20 for English, or 25 in EAL, and satisfactory score for Units 1 and 2 in Maths OR ACSF Exit Level 3 (working at Level 4), or above, in both Reading and Numeracy as determined at a supervised BKSB testing session conducted at Swinburne AND Demonstrated English language skills to the level specified by the Nursing and Midwifery Board of Australia. See course webpage for more.

#### Pathway opportunities

- Bachelor of Nursing

#### Career opportunities

- Enrolled nurse.

#### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

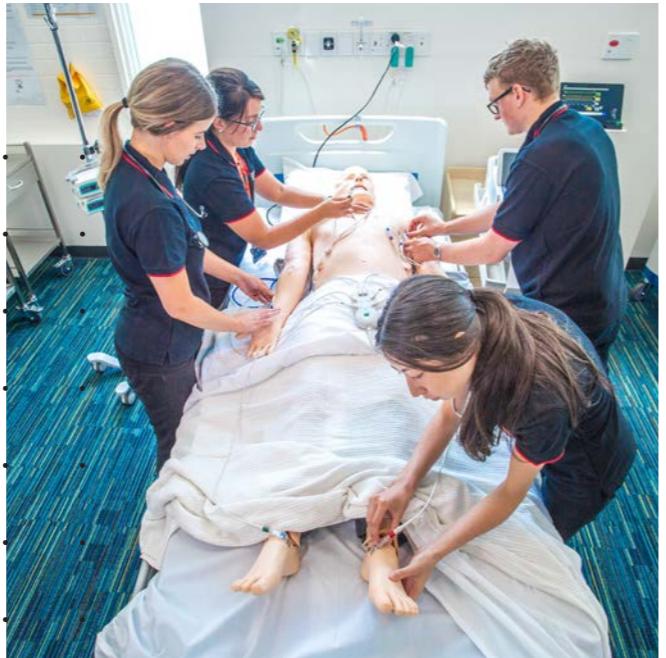
Students are required to have a valid police check and working with children check. Evidence of a completed adult vaccination program is required before clinical placements are undertaken.

#### Pathway options

- Diploma of Nursing HLT54115 (see below)

#### Career opportunities

- Registered nurse.



### Cutting-edge facilities

Our new state-of-the-art nursing facilities will ensure you're getting practical training and working with the latest technology and equipment right from the start of your study. Gain hands-on experience in our purpose-built nursing labs, and put what you've learnt to the test in our Simulation Ward. Here, you'll work with high-tech mannequins that simulate various physiological symptoms in a hospital-style environment, and watch others in action from the Observation Deck. It's all designed to prepare you to feel confident in administering patient care in a range of health settings on placement and beyond.

# Psychology

### Our courses at a glance

**Unit types** ■ Core ■ Major ■ Elective

#### Bachelor of Psychological Sciences

4 8 12

#### Bachelor of Psychology (Honours)

8 14 12

#### Also see

- Bachelor of Criminal Justice and Criminology page 24
- Bachelor of Health Science with a major in Psychology and Forensic Science page 65, or Psychology and Psychophysiology page 66

The largest psychology clinic in Australia

Swinburne Psychology Clinic



Accredited Course

250,300 more jobs

Healthcare industry jobs will grow 14.9% over the next five years  
Department of Jobs and Small Business-Industry Projections Science

Highest starting salary in VIC

\$8.1K more than the national average  
QILT Graduate Outcomes Survey 2018-2020



Scan for more info about our Psychology courses



<b>Duration</b>	<b>Location</b>	W Wantirna	<b>Entry ATAR</b>	RC Range of criteria	<b>Where to apply</b>
FT Full-time	C Croydon	O Online	^ Guaranteed entry	For more information about ATARs, please refer to page 100.	V VTAC
PT Part-time	H Hawthorn	EV External venue	# Minimum entry		D Direct

## Bachelor of Psychological Sciences

⌚ 3 yrs FT/ 6 yrs PT ⚡ H or O ⚡ 60^ ⚡ V or D\* Units 4 8 12

Gain the knowledge and skills to understand and explain human behaviour and relationships.

Learn about abnormal psychology, cognition, developmental psychology, personality, social psychology and statistics, as well as biology, chemistry and physiology.

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

**Combine this degree with** Bachelor of Arts, Bachelor of Criminal Justice and Criminology (double degree duration 4 years).

**Also see** Bachelor of Health Science with a major in Psychology and Forensic Science page 65, or Psychology and Psychophysiology page 66.

## Bachelor of Psychology [Honours]

⌚ 4 yrs FT/ 8 yrs PT ⚡ H ⚡ 85^ ⚡ V or D Units 8 14 12

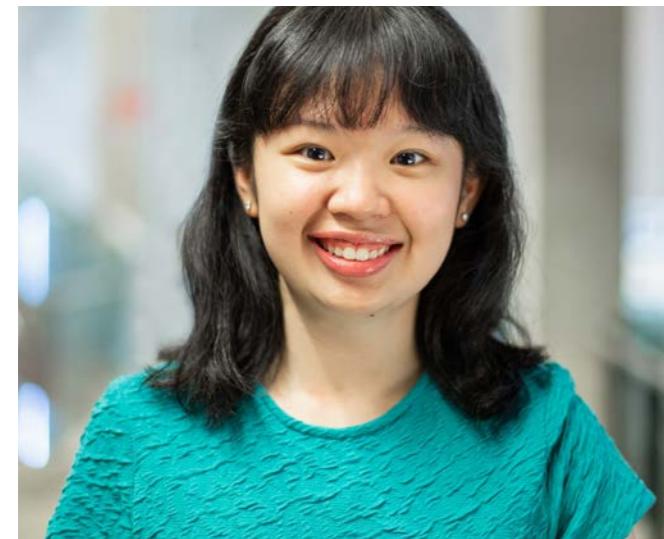
This degree is an integrated four-year program designed to satisfy the first step towards becoming a professional psychologist.

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.

**Professional accreditation** The four-year undergraduate major in psychology is professionally accredited by the Australian Psychology Accreditation Council.

**Also see** Bachelor of Health Science with a major in Psychology and Forensic Science page 65, or Psychology and Psychophysiology page 66.

\*The online version of this degree is through Direct application only.



### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

### Pathway options

- Diploma of Health Science (UniLink) see page 49

### Career opportunities

- Psychologist (with further study)
- Social welfare consultant
- Medical researcher
- Child safety officer
- Clinical worker
- Health officer
- Child development officer.

### Prerequisites

Units 3 and 4: a minimum study score of 25 in English (or equivalent) or 30 in English (EAL).

### Career opportunities

- Psychologist (with further study)
- Social welfare consultant
- Medical researcher
- Child safety officer
- Clinical worker
- Health officer
- Child development officer.

For Samantha, taking high school biology and reading true crime sparked her interest in forensics. Passionate about both psychology and biology, particularly the workings of the human brain, Samantha was disappointed to think she could only choose one area for undergraduate study.

"Most universities offer forensic science or forensic psychology only at a postgraduate level. So, when I heard about this course at Swinburne, I was thrilled!"

After graduating from her 'perfect combo' course, Samantha plans to gain industry experience before returning to Swinburne to undertake the integrated PhD program.

### Samantha

Bachelor of Health Science with a major in Psychology and Forensic Science

# Science

## Our courses at a glance

**Unit types** ■ Core ■ Major ■ Elective ■ Prof. Placement

### Bachelor of Science (Professional)

8 8 6 4

### Bachelor of Science

8 8 8

### Diplomas and certificates in

- Laboratory Technology
- Science

### Also see

- Bachelor of Health Science page 64

### Mass appeal

We're ranked in the top 400 worldwide for physics

2019 Academic Ranking of World Universities

### Ground-breaking research

Swinburne leads OzGrav, the \$31.3 million ARC Centre of Excellence for Gravitational Wave Discovery

### Home to OzStar

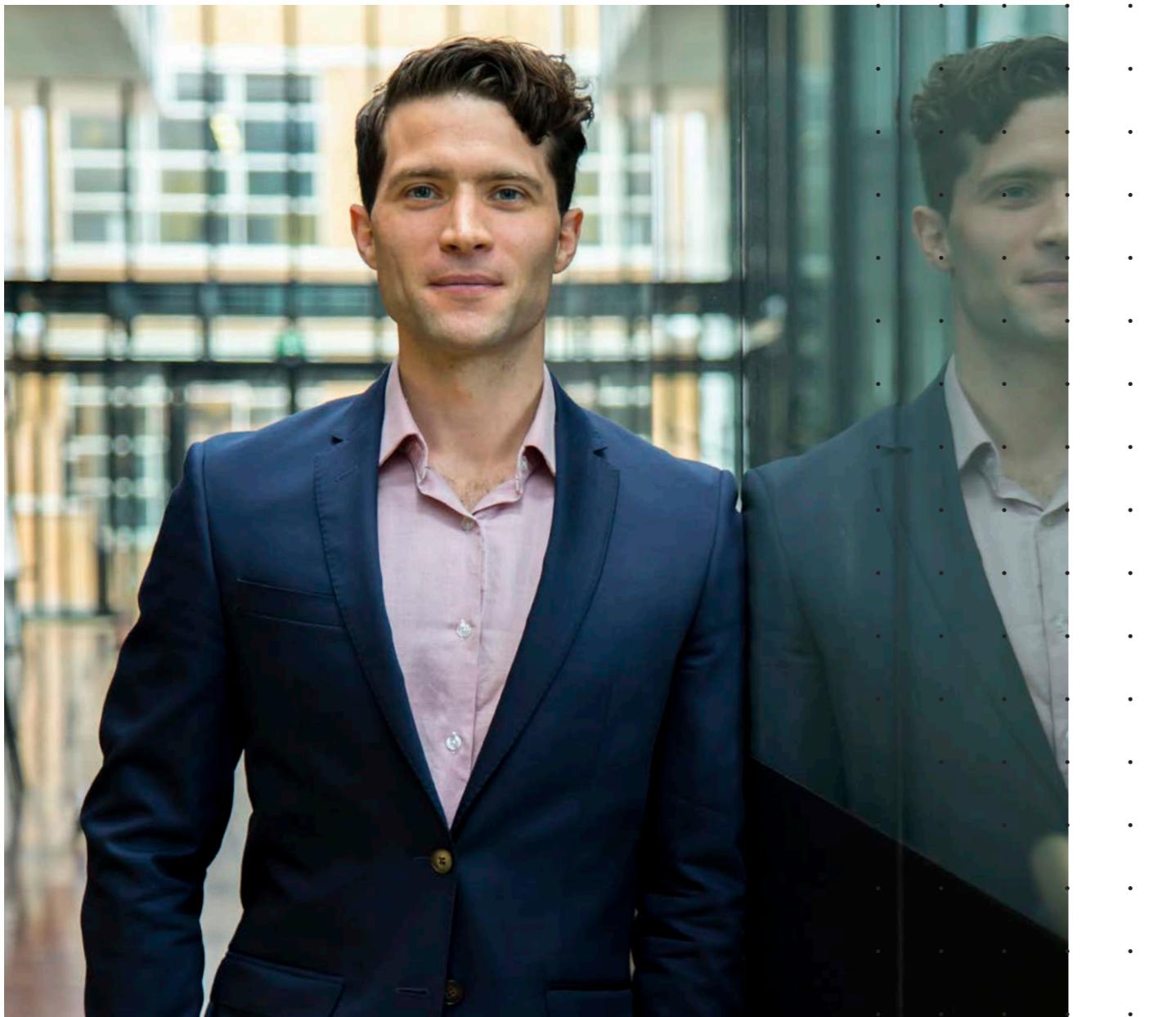
The \$4 million supercomputer has a performance peak of 1.2 petaflops and is used by Swinburne-based OzStar

### New space tech co-major

It doesn't get much cooler than space tech and Australia's industry is booming! Ask us about our new co-major.



Scan for more info about our Science courses



## Star Power

From black holes to the Big Bang, Associate Professor Alan Duffy is one of Australia's top experts on all things galaxy-related. His research into dark matter and astrophysics has led to regular appearances in the media and on television, including shows like *The Project* and *News Breakfast*, to explain science in ways we can all understand. In fact, his ability to communicate complex scientific ideas and discoveries in an engaging way won him the national 2018 Celestino Eureka Prize for Promoting Understanding of Science. Recently, he added to his impressive list of awards with the Academic of the Year nod at the inaugural Australian Space Awards. He also launched Swinburne's latest endeavour, the new Space Technology and Industry Institute, in January 2021. For Alan, the sky is definitely not the limit.

### Alan Duffy

Astrophysicist, Lead Scientist of the Royal Institution of Australia, Swinburne Associate Professor and Research Fellow

# Science

Unit types	
Core	Elective
Major	Prof Placement

### Bachelor of Science (Professional)

⌚ 4 yrs FT/ 8 yrs PT ⚡ H ★ 80^ ↗ V Units 8 8 6 4

### Bachelor of Science

⌚ 3 yrs FT/ 6 yrs PT ⚡ H ★ 65^ ↗ V or D Units 8 8 8

Learn to solve problems with a scientific mindset and choose from majors including applied mathematics, physics, chemistry, biochemistry, biotechnology and environmental science. Gain the skills, knowledge and key insights required to work in a range of professional scientific environments.

**Professional degree** This degree extends the standard degree to include a professional placement co-major comprising a 12-month work placement.

**Combine this degree with** Bachelor of Arts, Bachelor of Engineering (Honours), Bachelor of Health Science or Bachelor of Laws (double degree duration 4 to 5 years).

**Also see** Bachelor of Health Science page 64.

**Prerequisites** 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.

### Pathway options

- Diploma of Health Science (UniLink) see page 68
- Diploma of Science (UniLink) see page 90
- Diploma of Laboratory Technology MSL50118 see page 90

#### Majoring in

### Applied Mathematics

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, social sciences, consumer behaviour and finance.

#### Career opportunities

- Data analyst
- Quantitative analyst
- Mathematical modeller
- Scientific programmer
- Actuary
- Meteorologist and climate modeller.

#### Majoring in

### Biochemistry

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, including enzymes and DNA.

#### Career opportunities

- Medical researcher
- Clinical biochemist
- Diagnostic laboratory scientist
- Food/beverage production technician
- Pharmaceutical scientist.

#### Majoring in

### Biotechnology

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.

#### Career opportunities

- Medical researcher
- Clinical biochemist
- Diagnostic laboratory scientist
- Pharmaceutical scientist
- Forensic scientist.

#### Majoring in

### Chemistry

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.

#### Career opportunities

- Medical researcher
- Clinical biochemist
- Diagnostic laboratory scientist
- Food/beverage production technician
- Pharmaceutical scientist.

#### Majoring in

### Environmental science

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.

#### Career opportunities

- Environmental sustainability scientist
- Sustainability analyst
- Water quality expert
- Plant and animal breeder
- Environmental analyst.

#### Majoring in

### Physics

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. You can also undertake a co-major outside your major field of study such as space technology.

#### Career opportunities

- Astrophysicist
- Renewable energy specialist
- Statistician
- Financial analyst
- Meteorologist
- Climate modeller
- Physicist.

<b>Duration</b>	<b>Location</b>	W Wantirna	<b>Entry ATAR</b>	RC Range of criteria	<b>Where to apply</b>
FT Full-time	C Croydon	O Online	^ Guaranteed entry	For more information about ATARs, please refer to page 100.	V VTAC
PT Part-time	H Hawthorn	EV External venue	# Minimum entry		D Direct

## Diplomas and certificates

### Laboratory technology

#### Diploma of Laboratory Technology (MSL50118)

⌚ 1 yr FT / 2 yrs PT ⚡ H ↗ V or D

Gain a scientific education with a strong emphasis on the development of practical laboratory skills for the biotechnology, forensic science and pathology testing industries.

#### Prerequisites

Satisfactory completion of Certificate IV in Laboratory Techniques (MSL40118) or for workplace training; applicants must be working in a relevant workplace and have employer approval to enrol.

#### Pathway opportunities

- Bachelor of Science

#### Career opportunities

- Forensic science officer
- Laboratory technician
- Research assistant.

#### Certificate IV in Laboratory Techniques (MSL40118)

⌚ 1 yr FT / 2 yrs ⚡ H ↗ V or D

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.

#### Prerequisites

Satisfactory completion of Year 11 or completion of Certificate III in Laboratory Skills. Applicants will need to demonstrate literacy and numeracy competencies.

#### Career opportunities

- Laboratory technician
- Instrument operator.

### Science

#### Diploma of Science (UniLink)

⌚ 8 mths FT / 16 mths PT ⚡ H ↗ V or D

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.

#### Prerequisites

Units 3 and 4: a minimum study score of 20 in English (or equivalent) or 20 in English (EAL); and Units 3 and 4: a minimum study score of 20 in any Mathematics.

#### Pathway opportunities

- Bachelor of Science.

#### Certificate IV in Science (22442VIC)

⌚ 1 yr FT / 2 yrs PT ⚡ H ↗ V or D

Gain skills in mathematics, science, research and communication. These skills can help students to undertake further study, fulfil career aspirations or improve employment opportunities.

#### Prerequisites

Entry into this program is based on an applicant's study and/or relevant work history. Some additional criteria may also apply.

#### Career opportunities

- Laboratory assistant.

# Apprenticeships

We've been offering TAFE qualifications for more than 100 years (so, we really know our stuff). Learn and earn your way towards a nationally recognised qualification with apprenticeships in building and construction, electronics, horticulture and more.

Don't want to commit straight away? Our pre-apprenticeships are a great way to sample an industry and get both feet in the door for an apprenticeship.



### Trading stereotypes

Aimee might not be what you picture when you think 'tradie'. But the Certificate II in Plumbing graduate is one of a growing number of female tradies changing an outdated perception. Having always enjoyed working with her hands, the former beauty therapy student discovered her passion during a day on the tools with her dad. "Having a trade under your belt opens so many doors," says Aimee. Since graduating, she's become a TAFE Victoria ambassador and even co-founded Tiny Stays, idyllic off-grid accommodation in the heart of the Yarra Valley.

#### Aimee

Certificate II in Plumbing

## Our courses at a glance

### Certificates in

- Building and construction
- Conservation and land management
- Electrical
- Engineering
- Horticulture and landscape
- Plumbing

### Also see

- Advanced Diploma of Building Design (Architectural) (22477VIC) page 31
- Diploma of Building and Construction (Building) (CPC50210) page 31
- Diploma of Horticulture (AHC50416) page 31
- Diploma of Landscape Design (AHC50616) page 31

### Best homes and gardens

Swinburne students won five awards at the 2019 Melbourne International Flower and Garden Show, including two gold medals.

### Award winners

Our students are regularly recognised with prestigious industry awards, including Apprentice of The Year.



Scan for more info about our Apprenticeships

# Apprenticeships

## Building and construction

### Certificate IV in Building and Construction (Building) (CPC40110)

⌚ 5 mths PT ☈ c ↗ d

Learn the theory and practice needed to construct building projects. Gain skills and knowledge to read plans, work safely, estimate, schedule, prepare a tender and supervise construction works.

#### Prerequisites

Relevant construction industry experience, or undertaking an apprenticeship in the building industry.

#### Career opportunities

- Builder
- Construction manager
- Trade contractor.

### Certificate III in Bricklaying/Blocklaying (CPC30111)

⌚ 3 yrs FT ☈ c ↗ d

Learn how to construct housing and undertake general bricklaying work for residential and commercial applications.

#### Prerequisites

At least 15 years of age and/or completed Year 10; and apprenticed to an employer.

#### Career opportunities

- Bricklayer
- Blocklayer.

### Certificate III in Carpentry (CPC30211)

⌚ 3 yrs PT ☈ c ↗ d

Learn about residential and commercial construction, safety, demolition, drawing, frameworks, hand and power tools, and small plant and equipment.

#### Prerequisites

At least 15 years of age and apprenticed to an employer.

#### Career opportunities

- Carpenter
- Carpenter and joiner.

## Conservation and land management

### Certificate II in Building and Construction Pre-apprenticeship (22338VIC) – Carpentry

⌚ 12 wks FT ☈ c ↗ d

Learn how to use hand and power tools, learn about small plant and equipment industry. Participate in industry-focused field-based training to gain skills for outdoor work at trade level.

#### Prerequisites

Satisfactory completion of Year 10 or equivalent.

#### Career opportunities

- Apprentice carpenter and joiner.

### Certificate II in Building and Construction Pre-apprenticeship (22338VIC) – Bricklaying

⌚ 12 wks FT ☈ c ↗ d

#### Prerequisites

Learn about bricklaying hand tools and selected power tools. Gain the practical skills in brick construction processes employers are looking for.

#### Prerequisites

Satisfactory completion of Year 10 or equivalent, or relevant work experience.

#### Career opportunities

- Apprentice bricklayer.

Gain training, skills and knowledge relevant to the agriculture, horticulture, conservation and land management industries.

#### Prerequisites

Entry into this program is based on an applicant's study and/or relevant work history. Some additional criteria may also apply.

#### Career opportunities

- Local government consultant
- Site inspector
- Tour leader
- Environmental consultant.

⌚ Duration	⌚ Location	W Wantirna	★ Entry ATAR	RC Range of criteria	Where to apply
FT Full-time	C Croydon	O Online	^ Guaranteed entry	For more information about ATARS, please refer to page 100.	V VTAC
PT Part-time	H Hawthorn	EV External venue	# Minimum entry		D Direct

## Electrical

### Certificate III in Electronics and Communications (UEE30911)

⌚ 4 yrs PT ☈ w ↗ d

Gain a broad background in electronics, with an emphasis on digital technology, gate array technologies and the application of microcontrollers, communications and analog electronics. Learn how to commission, test, evaluate and diagnose faults in electronic systems and associated apparatus.

#### Prerequisites

Satisfactory completion of Year 11 or equivalent.

#### Career opportunities

- Electrician
- Tradesperson
- Telecommunications technician.

### Certificate III in Electrotechnology Electrician (UEE30811)

⌚ 4 yrs PT ☈ w ↗ d

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.

#### Prerequisites

At least 17 years of age and apprenticed to an employer.

#### Career opportunities

- Electrician
- Tradesperson
- Telecommunications technician.

### Certificate II in Electrotechnology (Career Start) (UEE22011)

⌚ 10 wks FT ☈ w ↗ d

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.

#### Prerequisites

There are no entry requirements for this qualification.

#### Career opportunities

- Apprentice electrician
- Trainee telecommunications technician.

## Engineering

### Certificate IV in Engineering (MEM40119)

⌚ 3 yrs PT ☈ w ↗ d

Develop skills to advance to positions of responsibility in manufacturing industries. Select one specialisation from: fabrication, CNC machining, or maintenance and fluid power.

#### Prerequisites

There are no entry requirements for this qualification.

#### Career opportunities

- Advanced mechanical maintenance technician
- Advanced toolmaker
- Fluid power systems technician
- Advanced welder.

### Certificate III in Engineering – Fabrication Trade (MEM3019)

⌚ 3 yrs PT ☈ w ↗ d

Gain skills in engineering drawing, fabrication, hand and power tools, sheet metal and welding.

#### Prerequisites

At least 15 years of age and apprenticed to an employer.

#### Career opportunities

- Mechanic
- Tool and die maker
- Toolmaker
- Boilermaker
- Welder.

### Certificate III in Engineering – Mechanical Trade (MEM30219)

⌚ 3 yrs PT ☈ w ↗ d

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.

#### Prerequisites

At least 15 years of age and apprenticed to an employer.

#### Career opportunities

- Maintenance fitter
- Toolmaker
- Tool and die maker
- First class machinist.

# Apprenticeships

## Horticulture and landscape

### Certificate III in Horticulture (AHC30716)

⌚ 1 yr FT / 2 yrs PT ☈ W ☞ D

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. Available as a traineeship.

#### Prerequisites

Applicants must be 15 years or over.

#### Career opportunities

- Gardener
- Grounds keeper
- Garden maintenance worker.

### Certificate III in Landscape Construction (AHC30916)

⌚ 4 yrs PT ☈ W ☞ D

Learn about concrete/brick/block/stone structures and features, drainage systems, paving and retaining wall projects, plants and their culture, and soil profiles.

#### Prerequisites

Satisfactory completion of Victorian Year 10 or equivalent, and may/may not have secured full-time or part-time employment as a landscape construction apprentice.

#### Career opportunities

- Landscape gardener.

### Certificate III in Parks and Gardens (AHC31016)

⌚ 3 yrs PT ☈ W ☞ D

Gain skills in advising on plants and plant products, machinery and equipment, propagation, recognising plants, and soil and plant nutrition.

#### Prerequisites

At least 15 years of age and have appropriate numeracy and literacy skills and may/may not have secured full-time or part-time employment as a parks and gardens apprentice.

#### Career opportunities

- Production nursery tradesperson
- Horticulturist
- Parks and gardens consultant.

### Certificate III in Production Nursery (AHC31116)

⌚ 4 yrs PT ☈ W ☞ D

Gain skills in advising on plants and plant products, machinery and equipment, propagation, recognising plants, and soil and plant nutrition.

#### Prerequisites

At least 15 years of age and have appropriate numeracy and literacy skills and may/may not have secured full-time or part-time employment as a production nursery apprentice.

#### Career opportunities

- Production nursery tradesperson
- Wholesale nursery worker.

### Certificate III in Retail Nursery (AHC31216)

⌚ 3 yrs PT ☈ W ☞ D

Learn how to operate successfully in the horticulture industry. Gain theory and practical training based around a real nursery environment.

#### Prerequisites

Entry into this program is based on an applicant's study and/or relevant work history. Some additional criteria may also apply.

#### Career opportunities

- Nursery sales assistant
- Garden centre sales assistant.

⌚ Duration	📍 Location	W Wantirna C Croydon H Hawthorn	⭐ Entry ATAR ^ Guaranteed entry # Minimum entry	RC Range of criteria <i>For more information about ATARs, please refer to page 100.</i>	☞ Where to apply V VTAC D Direct
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### Certificate III in Plumbing (CPC32413)

⌚ 4 yrs PT ☈ C ☞ D

Learn about gas installation, hand and power tools, roofing water supply, sanitation and drainage, and scaffolding.

#### Prerequisites

At least 15 years of age and apprenticed to an employer or a referral from the Plumbing Industry Commission of Victoria.

#### Career opportunities

- Plumber
- Plumber and drainer
- Plumber and gasfitter
- Roof plumber.

### Certificate II in Plumbing (Pre-apprenticeship) (22569VIC)

⌚ 10 wks FT ☈ C ☞ D

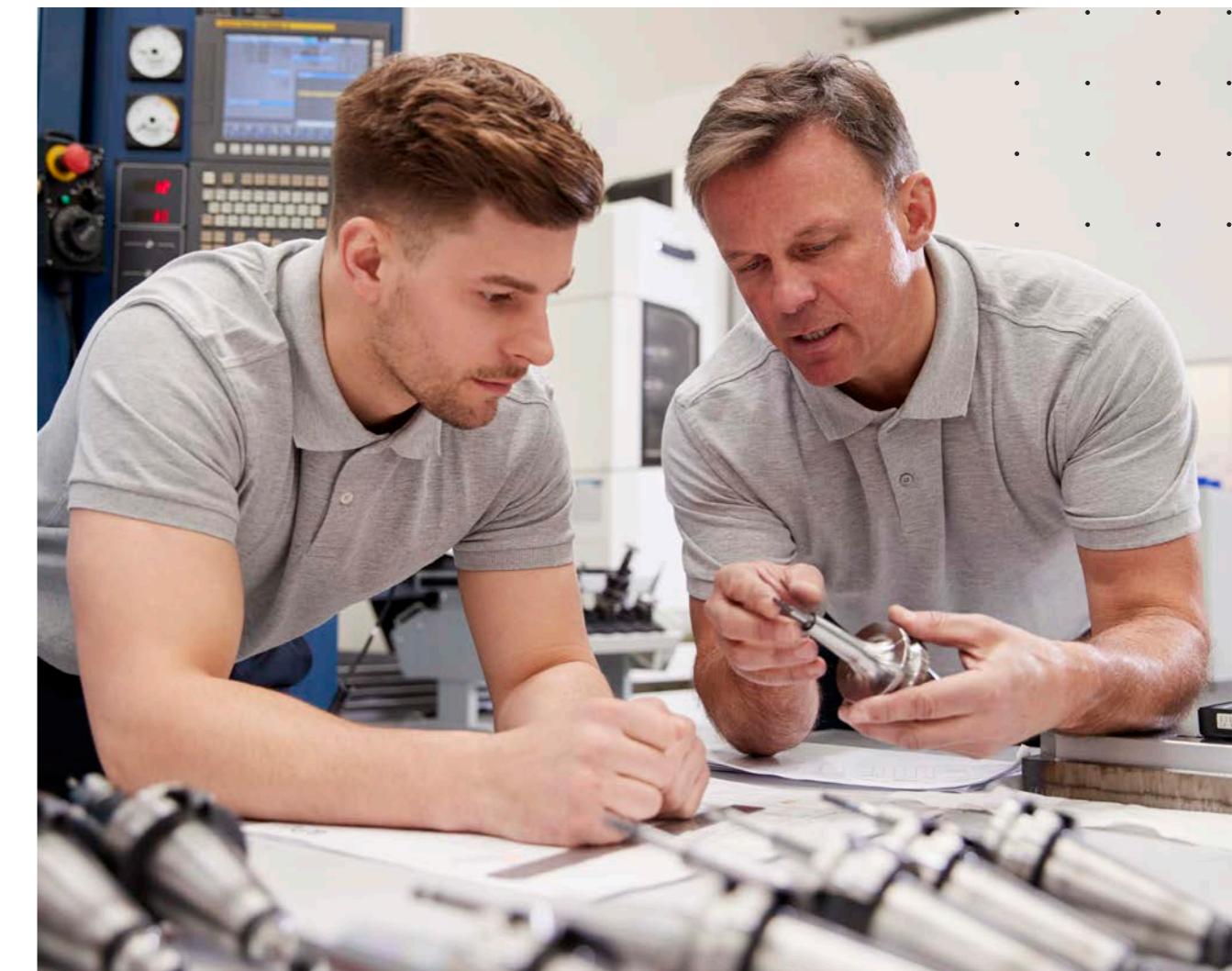
Learn about building structures; plumbing fixtures, fittings and appliances; tubes and pipes in plumbing; and workplace safety and environmental procedures. Available as a pre-apprenticeship.

#### Prerequisites

There are no entry requirements for this course.

#### Career opportunities

- Apprentice plumber.



# Foundation skills for work and study

Gain lifelong skills for work and study.

Swinburne offers programs for students who have had gaps in their education or are 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.



## 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 vocational education. The course teaches numeracy, literacy, personal development and work-related skills.

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## Bridging courses

### Marketing and Communication Foundations Skill Set (BSBSS00077)

⌚ 6 wks FT ⚡ H ↗ D

Gain a sound basis of marketing and communication, presentation and debate. Learn how to effectively articulate ideas, apply digital solutions to work processes and develop skills to work in the marketing and communication industry.

#### Prerequisites

Applicants may enter at a range of skill levels, but must be able to speak English.

### MathsLink: Further

⌚ 6 wks FT ⚡ H & O ↗ D

Further Mathematics is a prerequisite for many degrees in aviation, education, health science, information technology 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.

#### Prerequisites

Successful completion of any mathematics Units 1 and 2 subject.

### MathsLink: Methods

⌚ 6 wks FT ⚡ H & O ↗ D

Mathematical Methods is a prerequisite for many degrees in aviation and engineering. 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.

#### Prerequisites

Successful completion of Units 1 and 2 Mathematical Methods or Unit 3 and 4 Further Mathematics.

## English as a second language

### Certificate IV in EAL (Further Study) (22492VIC)

⌚ 1 yr FT / 2 yrs PT ⚡ H ↗ D

Develop upper-intermediate to advanced levels of English in listening, speaking, reading and writing. Undertake electives related to the Australian workplace or further study.

#### Prerequisites

English is not the first language spoken.

### Certificate III in EAL (Access) (22486VIC)

⌚ 1 yr FT / 2 yrs PT ⚡ C W ↗ D

Develop intermediate to upper-intermediate levels of English in listening, speaking, reading and writing. Undertake electives related to the Australian workplace or further study.

#### Prerequisites

English is not the first language spoken.

### Certificate II in EAL (Access) (22485VIC)

⌚ 6 mths FT / 1 yr PT ⚡ C W ↗ D

Develop English language speaking, listening, reading and writing skills for social situations and daily interactions.

#### Prerequisites

English is not the first language spoken.

### Certificate I in EAL (Access) (22484VIC)

⌚ 1 yr FT / 2 yrs PT ⚡ C W ↗ D

Develop English language speaking, listening, reading and writing skills directly related to immediate personal and social needs.

#### Prerequisites

English is not the first language spoken.

### Course in EAL (22483VIC)

⌚ 1 yr FT / 2 yrs PT ⚡ C H W ↗ D

This is a foundation course for learners who have little or no formal schooling, English literacy skills or numeracy skills. It is also suitable for learners who do not have literacy skills in their first language.

#### Prerequisites

English is not the first language spoken.

### Course in Initial EAL (22482VIC)

⌚ 1 yr FT / 2 yrs PT ⚡ C W ↗ D

Begin developing English language, literacy and numeracy skills. Develop learning routines and basic handwriting skills, including the alphabet and numbers. Participate in familiar spoken exchanges.

#### Prerequisites

English is not the first language spoken.

## General education for adults

### Certificate I in General Education for Adults (Introductory) (22476VIC)

⌚ 6 mths FT / 1 yr PT ⚡ C W ↗ D

### Certificate I in General Education for Adults (22472VIC)

⌚ 6 mths FT / 1 yr PT ⚡ C W ↗ D

### Certificate II in General Education for Adults (22473VIC)

⌚ 6 mths FT / 1 yr PT ⚡ C W ↗ D

### Certificate III in General Education for Adults (22474VIC)

⌚ 6 mths FT / 1 yr PT ⚡ C W ↗ D

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.

#### Prerequisites

Applicants may enter at a range of skill levels, but must be able to speak some English.

# Foundation skills for work and study

## Certificate I in Transition Education (22567VIC)

⌚ 1 yr FT / 2 yrs PT ☈ C ☈ D

Teaches those with mild intellectual disabilities the skills they need to find their feet in the community after leaving school.

### Prerequisites

Applicants must have a diagnosed mild intellectual disability.

### VCAL

## Victorian Certificate of Applied Learning – Senior (VCALSEN001)

⌚ 1 yr FT ☈ cw ☈ D

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.

### Prerequisites

Applicants should be 16 to 19 years of age and have completed Year 11 or equivalent, and should have left or be leaving school.

## Victorian Certificate of Applied Learning – Intermediate (VCALINT001)

⌚ 1 yr FT ☈ cw ☈ D

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.

### Prerequisites

Applicants should be 16 to 19 years of age and have completed Year 10, including at least one Mathematics and one Science subject.

## VCE

## Victorian Certificate of Education (VCE Connect) (VCE0000001)

⌚ 2 yrs FT ☈ cw ☈ D

VCE Connect offers secondary school qualifications for students seeking an alternative VCE experience. It is ideal for those with aspirations in trades, engineering, nursing, health science, horticulture and technology.

### Prerequisites

Applicants should have successfully completed Year 10, including at least one Mathematics and one Science subject.



# 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'll also contribute towards the cost of your tuition. The amount you pay depends on what units you study and the payment method you choose. Find out more at [swinburne.edu.au/degrees/fees](http://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 [studyassist.gov.au](http://studyassist.gov.au)

### Other expenses

All degree students pay a Student Services and Amenities Fee (SSAF). In 2021, the maximum fee is \$308 for a full-time student (subject to change). 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. But you won't be out of pocket for Adobe Creative Cloud! As a Swinburne student you get free access to this industry-standard software.

## Advanced diplomas, diplomas and certificates

Your fees are made up of tuition, plus materials and ancillary fees (such as costs associated with field trips), if relevant. Government subsidised places are available to students who meet requirements such as age, citizenship/residency and prior qualifications.

### VET Student Loans

Defer some or all of the cost of your course. 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 when you earn above the minimum repayment threshold.

### Skills First

Skills First (formerly the Victorian Training Guarantee) is a Victorian Government scheme that helps eligible students access vocational education and training.

### 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, and present the card (or a letter of eligibility from Centrelink) at the time of enrolment.

### Free TAFE for Priority Courses

This is a Victorian Government initiative that will pay eligible students' tuition fees in a range of TAFE courses. Visit [swinburne.edu.au/free-tafe](http://swinburne.edu.au/free-tafe) to view the priority courses offered by Swinburne.

### Jobtrainer

JobTrainer is a joint Commonwealth and State Government initiative that provides additional funding to increase access to free or low fee training places for young people and job seekers who have been most affected by the COVID-19 pandemic. Visit [swinburne.edu.au/jobtrainer](http://swinburne.edu.au/jobtrainer) to view the JobTrainer courses offered by Swinburne.

## Scholarships

Commencing and current students can access scholarships recognising community service, financial hardship or the need to relocate from regional areas to complete their studies. Visit [swinburne.edu.au/scholarships](http://swinburne.edu.au/scholarships) for more information and conditions.

### Vice-Chancellor's Excellence Scholarship

If you achieve an ATAR of 95 or higher and receive an offer from us, congratulations! You'll be eligible for this scholarship.

You will receive:

- \$5000 per annum for the normal duration of your chosen degree
- a one-off payment of \$2000 for an international study experience
- a guaranteed place in Swinburne's student accommodation if you live more than 80km from the Hawthorn campus (subject to academic performance and other scholarship conditions)\*
- the opportunity to join our Student Ambassador Program.

\*Please note, you will need to apply for accommodation by the required deadline.

# How to apply

## VTAC applications

If you're a Year 12 student or you're applying for multiple courses that are listed in VTAC and start in Semester 1, you'll need to apply through VTAC.

The application period usually opens in August and closes late September with some late applications accepted in certain circumstances. Visit [vtac.edu.au](http://vtac.edu.au) for the most up-to-date information.

## Change of preference

You can change your original VTAC application course preferences during the multiple Change of Preference periods, which are set by VTAC. While Change of Preference is open, you can add, remove, and reorder your preferences as many times as you like. Visit [vtac.edu.au](http://vtac.edu.au) for more information.

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

V VTAC | D Direct

## Direct applications

If you are a mature age, gap year or current university student (i.e. not a Year 12 student) and applying for just one Swinburne course, you can apply directly to us. (If you intend to apply to multiple courses or institutions, you should apply through VTAC). Keep in mind that direct applications are accepted for all intakes for all courses not listed on the VTAC website. Visit [swinburne.edu.au/apply-now](http://swinburne.edu.au/apply-now)

## Indigenous students

Indigenous applicants are encouraged to contact the Moondani Toombadool Centre for assistance with course selection, pathway options, and applications.

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

## Pre-apprenticeship, apprenticeship and traineeship applications

To apply for a pre-apprenticeship, you can apply directly to Swinburne using our online application system at [swinburne.edu.au/apply-now](http://swinburne.edu.au/apply-now)

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.

## 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 us directly.

+61 3 9214 8444

[international@swinburne.edu.au](mailto:international@swinburne.edu.au)

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

## Our approach to ATARs

We believe you can reach your goals no matter your ATAR. That's why we have options for every ATAR. Entry to some courses is based on a range of criteria, such as interview, folio or experience. Refer to VTAC for full details.

## Guaranteed Entry ATAR

An offer is guaranteed to students who achieve this ATAR, providing all other prerequisites are met. Students with an ATAR below the published guaranteed entry ATAR will still be considered.

## Minimum entry ATAR

This ATAR is the minimum that must be achieved to be considered for this course. Adjustment factors, such as the Special Entry Access Scheme (SEAS), apply.

## Adjustment factors

Previously known as "bonus points", these are used in combination with your ATAR to grant extra consideration for course entry. Adjustment factors may include relevant subjects studied at school or the SEAS for students who have experienced educational disadvantage.

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



# Glossary

Word	Definition	Example
<b>Unit</b>	A subject within a course. Units are assigned credit points, some are worth 12.5 credit points, and some are worth 25.	'I am a full-time student, so I'm doing 4 units this semester.'
<b>Credit points</b>	Used to measure study load, course progress and completion.	'This unit in my Business degree is worth 25 credit points. It's an industry-linked project and carries more weight.'
<b>Major</b>	The primary area of study, it usually totals 100 credit points.	'I am doing a Bachelor of Business, majoring in Entrepreneurship and Innovation.'
<b>Minor</b>	A secondary area of interest, it usually totals 50 credit points.	'I am doing a Bachelor of Business, majoring in Entrepreneurship and Innovation with a minor in Finance.'
<b>Elective</b>	A unit that is optional and can be unrelated to the main areas of study. Usually 12.5 credit points per unit.	'I am doing a Bachelor of Business, majoring in Entrepreneurship and Innovation, with a minor in Finance and electives in Organisation Behaviour and Managing Workplace Relations.'
<b>Semester</b>	The academic year is divided into two: semester one, January to June; semester two, July to December.	'I will be going on the Business Innovation in Europe Study Tour in the second semester of 2021.'
<b>Professional Placement</b>	An opportunity to apply the theory and skills learned during a course in a professional workplace. Some courses have these built in, other courses allow students to 'opt in'. The work is paid anywhere between minimum wage and below a graduate entry salary. Usually 25 credit points per unit.	Bachelor of Health Science (Professional) vs. Bachelor of Health Science – the Professional degree features 12 months of professional placement built in, the latter does not.
<b>Work Integrated Learning</b>	Opportunities that include professional internships, industry-linked projects and study tours.	'There are so many Work Integrated Learning Opportunities. I'm trying to decide between an Internship and an Overseas study tour, or both!'
<b>Prerequisite</b>	A mandatory minimum requirement for course entry.	A course may require students to have achieved a raw score of at least 25 in Year 12 English
<b>ATAR</b>	Australian Tertiary Admission Rank. This is not a mark, but rather indicates a student's position relative to all the students in their age group.	'I'm hoping I get an ATAR that will let me get into my dream course.'
<b>Pathway</b>	A course that can lead on to another course, often the 'dream course.' Some pathways offer 'credit' for units that are similar / the same.	Diploma of Business (UniLink) offers 8 units credit exemption. Meaning that when students successfully complete the UniLink Diploma, they can move on to the second year of the Bachelor of Business.
<b>Bachelor degree / Degree / Undergraduate degree / Undergrad</b>	A post-secondary-school qualification that is awarded by a university.	<ul style="list-style-type: none"> <li>'I'm busy doing my undergrad in Business.'</li> <li>'I'm busy doing a Bachelor degree in Business.'</li> <li>'I'm doing an Undergraduate degree in Business.'</li> </ul>

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## 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](mailto:study@swinburne.edu.au)

 [swinburne.edu.au/study](http://swinburne.edu.au/study)

 [facebook.com/swinburneuniversityoftechnology](https://facebook.com/swinburneuniversityoftechnology)

 [twitter.com/swinburne](https://twitter.com/swinburne)

 [instagram.com/swinburne](https://instagram.com/swinburne)

 [youtube.com/swinburne](https://youtube.com/swinburne)

The information contained in this course guide was correct at the time of publication, September 2021.  
The university reserves the right to alter or amend the material contained in this guide. For the most  
up-to-date course information please visit our website.

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