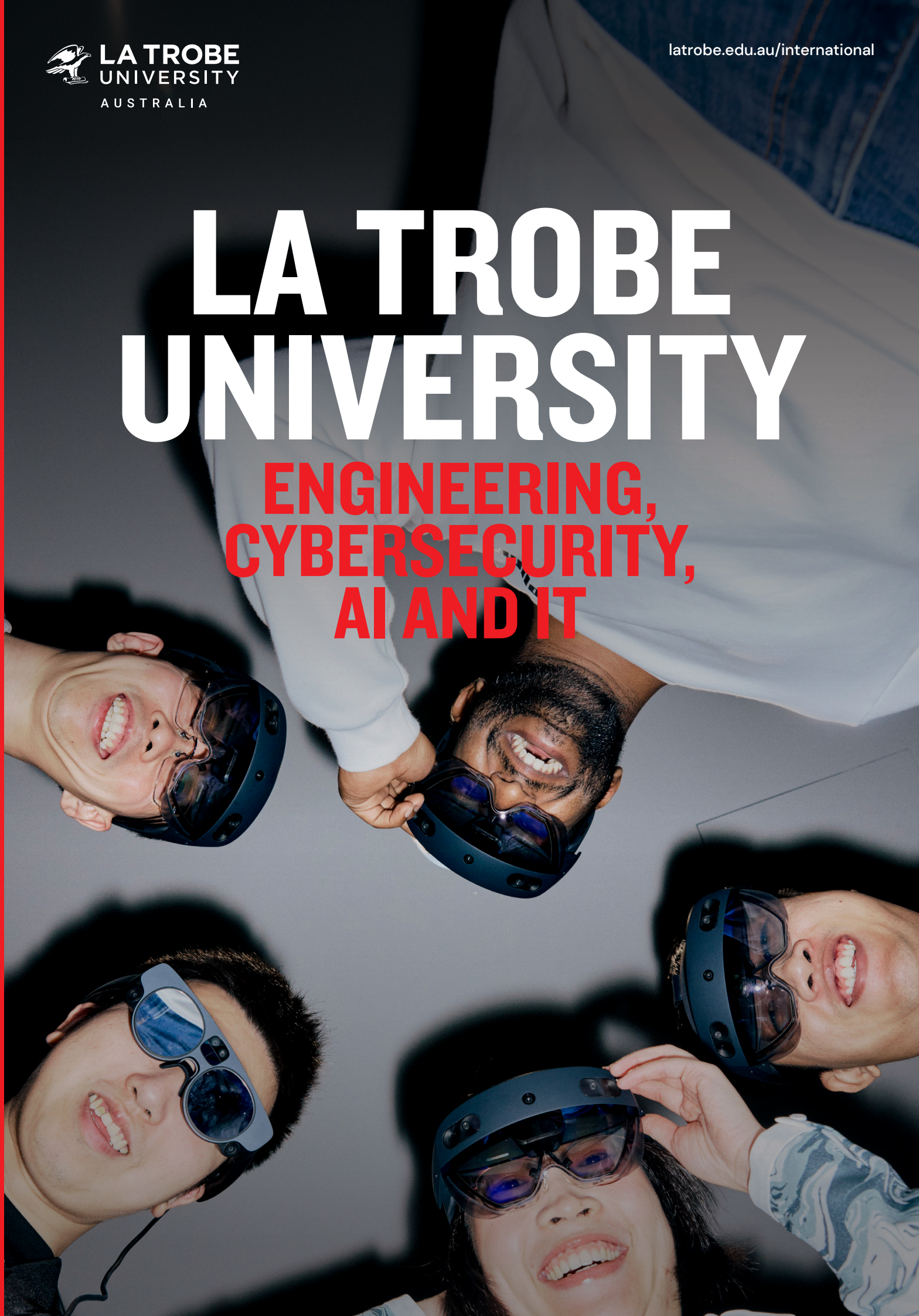
LA TROBE UNIVERSITY
AUSTRALIA

latrobe.edu.au/international

# LA TROBE UNIVERSITY

## ENGINEERING, CYBERSECURITY, AI AND IT



# LA TROBE UNIVERSITY

**Studying overseas is one of the most exciting and life-changing experiences you can have. It's a journey that will not only shape your career but help you develop as a global citizen.**

As a top 1% university worldwide[1], at La Trobe you'll be joining the ranks of thousands of students and alumni who have gone on to make their impact in Australia and around the world.

Practical, hands-on learning is at the heart of what we do. We work closely with industry to ensure our courses meet the needs of employers and we provide you with state-of-the-art facilities to hone the skills you need for a successful career.

Our strong industry partnerships will provide you with opportunities for placements, internships, and work-integrated learning with some of Australia's top organisations. And you won't be alone – you'll have the full support of the La Trobe community at every step of your academic journey.

I look forward to the impact you'll make, and hope to see you on campus.

**Professor Theo Farrell**
Vice-Chancellor and President

1. QS Top Universities, 2025, QS World University Rankings 2026: Top global universities; Webometrics, 2025, Webometrics Ranking July 2025.



**Transport Hub**

Get to and from La Trobe by bus, train or tram.

**The Agora**

The beating heart of our campus where students gather to eat, study, socialise and even see live music, events or cultural festivals.

**La Trobe Sports Park**

Immerse yourself in our high-performance sports facilities, our indoor multi-purpose stadium and FIFA-1 standard football pitch, home to the national Australian women's football team.

**Bio Innovation Hub**

Purpose-built laboratory and office facility supporting the growth of early-stage biotechnology and agritechnology businesses.

**Centre for Data Analytics and Cognition**

Research centre focusing on the theoretical advancement of artificial intelligence, cognitive computing, data analytics and automation.

**LIMS**

La Trobe Institute for Molecular Science is a multi-level cutting-edge research and innovation facility, working on some of the world's most critical problems at the interface of health and science.

**Net zero campus**

As part of our commitment to Net Zero by 2029, we're creating the largest urban solar farm in Victoria, with around 4,300 solar panels generating 5.8 megawatts of renewable energy.

**Student accommodation**

Range of shared and individual living options, with dedicated security staff and on-campus access to amenities and wellbeing, sports and study facilities.

**Research and Innovation Precinct**

Digital Innovation Hub – advanced facilities powered by Cisco and Optus, leveraging AI, Internet of Things (IoT), software development, data analytics and networking.

**Nangak Tamboree Wildlife Sanctuary**

A living laboratory for students, staff and the wider community, created in 1967 as a project to restore native Australian flora and fauna.

# GET REAL WITH INDUSTRY

**If you're looking for an in-demand career that shapes the physical or digital world around us, then engineering or information technology should be your top option.**

## CAREER READY ADVANTAGE

Sector-leading employability programs and projects to develop skills employers want.

## WORK-BASED LEARNING

Test your knowledge in a professional, real-world environment.

## INDUSTRY PLACEMENTS

Compulsory and elective professional placements as part of your studies.

## LEARNING WITH INDUSTRY

Mentoring, networking, specialist career consultations, workshops, leadership programs and more.

## CAREER READY ONLINE AND CAREER HUB

100+ e-learning programs, resume and cover letter feedback, interview practice, job opportunities and more.

## SUCCESSFUL GRADUATE

Get trained for the Australian job market before and during your study.



## TRAINING AN AI-READY WORKFORCE

In partnership with Microsoft and cybersecurity provider CyberCX, La Trobe has a bold new ambition: transform research, education, student support and business operations by applying an AI-first approach.

This nation-leading project will deliver an AI-ready workforce of graduates and academics, built on key principles of safety and responsibility, and an ambitious vision to become a university of choice for students, employers and partners seeking AI-empowered talent.

AI is revolutionising society at great speed and La Trobe is committed to being at the forefront of embracing and implementing these cutting-edge technologies within all study areas, including business, science, health, engineering and IT.

As part of that commitment, La Trobe will be providing opportunities to build expertise and experience in AI and emerging technologies through guest lecturers, industry participation, scholarships and skills programs, cyber careers promotion, funding for digital transformation, industry-recognised certifications and micro-credentials – all leveraging the expertise of partners Microsoft and CyberCX.

## ADVANCING AI INNOVATION WITH NVIDIA

La Trobe is the first Australian university equipped with the NVIDIA DGX H200 supercomputer, allowing scientists to push the boundaries of AI-driven medical and biotech research at our Australian Centre for Artificial Intelligence in Medication Innovation (ACAMI).

# CAMPUSES

## Melbourne (Bundoora)

Our Melbourne Campus is one of Australia's largest metropolitan campuses located in Melbourne's north. The campus is surrounded by lush Australian native flora, with scenic on-campus accommodation and a direct tram to the heart of Melbourne's CBD. You can enjoy walks in our campus parklands or onsite wildlife sanctuary, get fit at our premier sport park and fitness facilities, and organise all your amenities at our on-campus food court, cafés, convenience store, post office, and more.

### Bendigo

La Trobe's largest regional campus, Bendigo offers a laid-back lifestyle with a premier university education, world-class facilities and strong industry connections across engineering, health, science, education, business and more. Located just under two hours away from Melbourne by train, it's close to the Bendigo city centre and some of Victoria's greatest natural wonders.

### Albury-Wodonga

Our Albury-Wodonga Campus offers a uniquely Australian university experience with a close-knit, supportive campus close to the scenic Murray River. The campus is home to three university research centres, biomedical labs, clinical learning units and facilities, on-campus accommodation options, and more.

### Shepparton

Our Shepparton Campus offers small class sizes, high-standard teaching, and unique placement and industry opportunities. Facilities include a clinical learning unit with advanced technologies, modern study areas, and a supportive campus culture tailored to regional students.

### Mildura

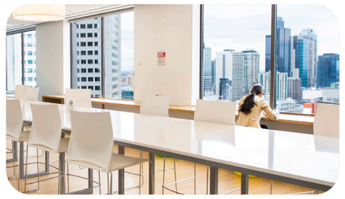
Our Mildura Campus offers a relaxed lifestyle and cosmopolitan atmosphere, with small class sizes to deliver a more personalised learning experience. The campus fosters strong industry relationships, giving students access to local placements within the community.


### Sydney

Located in the centre of Sydney's CBD, the Sydney Campus offers foundation studies and diploma programs, along with a range of undergraduate and postgraduate degrees in the areas of business, information technology, cybersecurity, health, and education.

### Melbourne (City)

Located in the heart of Melbourne's CBD, the City Campus offers postgraduate courses in health and law with modern learning facilities and easy access to work and internship opportunities, cultural events, restaurants, cafés, sporting events and shopping.



# POPULAR COURSES

## BACHELOR OF INFORMATION TECHNOLOGY

Build your career in the world's fastest moving industry

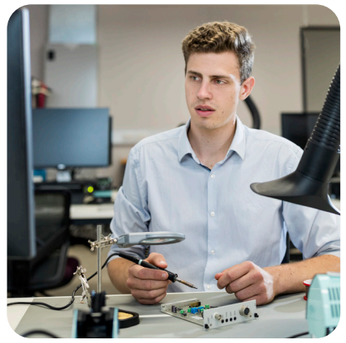
Learn core IT skills across programming, networking, databases, systems analysis and design, then specialise with majors in AI, cybersecurity, network engineering and more.

Build your professional network and get hands-on experience with our industry partners including Microsoft, Cisco, Oracle, Optus and Pivot Maritime International.

Access professional mentoring and our expert research centres, and graduate with an Australian Computer Society (ACS) accredited degree.

**CAREER PATHS**

- Network administrator
- Web developer
- Network architect
- Software developer
- Machine learning engineer
- Systems analyst



## BACHELOR OF CIVIL ENGINEERING (HONOURS)

Create sustainable, efficient and durable systems

Prepare to work across a range of industries such as construction, natural resources, renewable energy, oil and gas, mining, local or state government and more.

Learn to create sustainable, efficient and durable systems using high-quality infrastructure design, civil construction and computer-aided design with a degree accredited by Engineers Australia.

Graduate ready to lead. Gain practical experience in structural, transportation, geotechnical and hydraulic engineering – skills highly valued by employers.

**CAREER PATHS**

- Structural engineer
- Construction engineer
- Geotechnical engineer
- Renewable energy engineer
- Transportation engineer
- Project estimator

## MASTER OF ARTIFICIAL INTELLIGENCE

Drive change, spark innovation and improve business outcomes with AI

Explore subjects in IT fundamentals, machine learning, data mining, computer vision, cybersecurity and natural language processing (NLP).

Gain an understanding of the moral and societal issues faced by today's IT industry and the impact of how AI technology is used.

Learn how to use research skills and deep-learning algorithms to develop AI-based solutions to real-world problems.

**CAREER PATHS**

- AI developer
- Solutions architect
- Machine learning engineer
- Software engineer
- Data scientist
- Research analyst



## MASTER OF CIVIL ENGINEERING

Develop a diverse skillset to create the built environment of the future

Get the skills and knowledge to meet the challenges of disruptive technologies that are reshaping industries and the engineering profession globally.

Learn to analyse real-world problems, design modern infrastructure and develop capabilities in structural dynamics to ensure structures are safe and long-lasting.

Experience engineering practice first-hand with an 800-hour work-integrated learning (WIL) program in a course designed and delivered in consultation with industry leaders.

**CAREER PATHS**

- Building surveyor or estimator
- Construction engineer
- Consulting or contracting civil engineer
- Site engineer
- Structural engineer

## MASTER OF CONSTRUCTION ENGINEERING AND MANAGEMENT

Manage complex projects with sustainable industry practices

Explore topics such as digital engineering, construction management, construction technology, modern procurement methods, engineering innovation and management.

Master key business concepts and use modern digital tools and technologies to enhance design efficiency, visualisation, cost control, scheduling, and project management.

Experience engineering practice first-hand with an 800-hour work-integrated learning (WIL) program in a course designed and delivered in consultation with industry leaders.

**CAREER PATHS**

- Construction engineer
- Construction manager
- Engineering analyst
- Engineering project manager
- Project engineer
- Quantity surveyor

## MASTER OF CYBERSECURITY

Join the defence against cybercrime as a skilled cybersecurity professional

Choose from a range of in-demand specialisations and complement your expertise with transferable skills in entrepreneurship, professional practice and project management.

Gain hands-on experience and grow your professional network with industry learning opportunities at Microsoft, Cisco and Oracle.

Get the ethical hacking and defence strategies you need to secure your career in one of the world's crucial and in-demand careers.

**CAREER PATHS**

- Cryptographer
- Security architect
- Cyber intelligence analyst
- Compliance assurance manager
- Cybersecurity policy adviser
- Cryptographer or cryptanalyst
- Cyber risk manager

# AI, CYBERSECURITY AND IT

## THE FUTURE BELONGS TO THE AI-READY

The future is changing and it's happening now. The World Economic Forum estimates about 170 million new jobs will be created by global macro trends this decade, which is equivalent to 14% of total employment today.

When it comes to the skills needed for this future, technological skills are projected to grow more rapidly than any other skill. This is followed by human skills like creative thinking, resilience, flexibility, and lifelong learning.[1]

To prepare for the economy of tomorrow it's important to ensure you graduate with the skills and knowledge to remain in-demand in an uncertain future.

1. World Economic Forum, 2025, Future of Jobs Report 2025

### RISING WAGES

AI-skilled workers worldwide experienced a 56% wage premium on average in 2024.

pwc, 2025, How AI is impacting Australia's jobs and workers

### DEMAND FOR AI AND CYBER SKILLS

AI and big data, followed by networks and cybersecurity, are the top two fastest-growing skills worldwide.

World Economic Forum, 2025, Future of Jobs Report 2025

### DEMAND FOR QUALIFICATIONS

92% of the new jobs created in Australia in the next ten years are expected to require a tertiary-level qualification.

Jobs and Skills Australia, 2025, Employment projections for the decade ahead



(MEL) Melbourne (BEN) Bendigo (SYD) Sydney (SHP) Shepparton (A-W) Albury-Wodonga (MIL) Mildura (CTY) City

## UNDERGRADUATE

| UNDERGRADUATE COURSES | CRICOS | CAMPUS | INTAKE | DURATION | IELTS* | ANNUAL FEE^ |
|---|---|---|---|---|---|---|
| **Bachelor of Business Analytics** | 0100037 | MEL | Semester 1<br>Semester 2<br>Summer | 3 years | 6.0 < 6.0 | $43,000 |
| **Bachelor of Commerce/Bachelor of Computer Science**<br>*Please visit our website for list of majors* | 092917D | MEL | Semester 1<br>Semester 2 | 4 years | 6.5 < 6.0 | $45,000 |
| **Bachelor of Computer Science**[1]<br>**MAJORS**<br>Artificial intelligence, Data science, Software engineering | 118149K | MEL | Semester 1<br>Semester 2<br>Summer | 3 years | 6.0 < 6.0 | $42,000 |
| **Bachelor of Cybersecurity** | 096351E | MEL SYD | Semester 1<br>Semester 2<br>Summer | 3 years | 6.0 < 6.0 | $42,000 |
| **Bachelor of Cybersecurity/Bachelor of Commerce**<br>*Please visit our website for list of majors* | 0100860 | MEL | Semester 1 | 4 years | 6.5 < 6.0 | $45,000 |
| **Bachelor of Cybersecurity/Bachelor of Criminology** | 0100861 | MEL | Semester 1 | 4 years | 6.5 < 6.0 | $42,000 |
| **Bachelor of Cybersecurity/Bachelor of Psychological Science** | 096858M | MEL | Semester 1 | 4 years | 6.5 < 6.0 | $42,000 |
| **Bachelor of Information Technology**<br>**MAJORS**<br>Artificial intelligence, Cloud analytics, Data science, Information systems, Network engineering, Software engineering | 049940G | MEL BEN SYD | Semester 1<br>Semester 2<br>Summer | 3 years | 6.0 < 6.0 | $42,000 |

## POSTGRADUATE

| POSTGRADUATE COURSES | CRICOS | CAMPUS | INTAKE | DURATION | IELTS* | ANNUAL FEE^ |
|---|---|---|---|---|---|---|
| **Graduate Diploma in Business Analytics**[1] | 087776K | MEL | Semester 1<br>Semester 2 | 1 year | 6.5 < 6.0 | $43,800 |
| **Master of Artificial Intelligence** | 0100864 | MEL | Semester 1<br>Semester 2<br>Summer | 2 years | 6.5 < 6.0 | $43,800 |
| **Master of Business Analytics** | 087774A | MEL | Semester 1<br>Semester 2<br>Summer | 2 years | 6.5 < 6.0 | $43,800 |
| **Master of Business Information Systems** | 107439B | MEL | Semester 1<br>Semester 2 | 2 years | 6.5 < 6.0 | $43,800 |
| **Master of Cybersecurity** | 104801B | MEL SYD | Semester 1<br>Semester 2<br>Summer | 2 years | 6.5 < 6.0 | $43,800 |
| **Master of Data Science**<br>**SPECIALISATIONS**<br>Artificial intelligence analytics, Big data and cloud computing, Bioinformatics, Business applications, Data modelling and analytics, Mathematical data science, Sport analytics | 092396B | MEL | Semester 1<br>Semester 2<br>Summer | 2 years | 6.5 < 6.0 | $43,800 |
| **Master of Digital Health**<br>**SPECIALISATIONS**<br>Advanced practice, Applied research, Artificial intelligence, Cybersecurity in business, Data analytics, Health management, Health strategy and policy, Public health | 0101684 | MEL | Term 2<br>Term 3<br>Term 4<br>Term 5<br>Term 6 | 2 years | 6.5 < 6.0 | $41,400 |
| **Master of Information Technology**<br>**SPECIALISATIONS**<br>Artificial intelligence, Cloud analytics, Cybersecurity, Internet of Things, Networking, Quantum computing, Software engineering | 037928B | MEL BEN SYD | Semester 1<br>Semester 2<br>Summer | 2 years | 6.5 < 6.0 | $43,800 |
| **Master of Quantum Information Technology** | 113441B | MEL | Semester 1<br>Semester 2 | 2 years | 6.5 < 6.0 | $38,325[2] |

**Please note:** Some courses have additional costs and details such as intake dates and majors or specialisations may vary between campuses or change throughout the year. Other courses and majors may require you to transfer to another campus at some stage during your course. The most complete and up-to-date course information can be found on the La Trobe website, so make sure you confirm all course details before submitting your application.

* While IELTS scores are our primary measure of English proficiency, we may accept tests other than IELTS if your overall score is the equivalent of the required IELTS score. Visit **latrobe.edu.au** to find out more.

^ Annual tuition fee is based on the course's EFTSL (Estimated Full-Time Study Load) of 120 credit points, but some courses may vary depending on length and study load. Fees are reviewed on an annual basis and may increase in the following calendar year. Please refer to the course page on the La Trobe University website for an up-to-date listing of annual tuition fees.

1. This course is undergoing changes that are pending approval, and may be subject to change. Please visit the course page on the La Trobe University website for the most up-to-date information.
2. Annual tuition fee is based on the standard first year of 105 CP (credit points). Annual tuition fee will differ for second year. See course page on the La Trobe University website for more information.




(MEL) Melbourne (BEN) Bendigo (SYD) Sydney (SHP) Shepparton (A-W) Albury-Wodonga (MIL) Mildura (CTY) City

## UNDERGRADUATE

| COURSES | CRICOS | CAMPUS | INTAKE | DURATION | IELTS* | ANNUAL FEE^ |
|---|---|---|---|---|---|---|
| Bachelor of Civil Engineering (Honours) | 078469G | MEL BEN | Semester 1<br>Semester 2 | 4 years | 6.0 < 6.0 | $43,000 |
| Associate Degree in Engineering Technology | 106835J | MEL BEN | Semester 1<br>Semester 2 | 2 years | 6.0 < 6.0 | $43,000 |

## POSTGRADUATE

| COURSES | CRICOS | CAMPUS | INTAKE | DURATION | IELTS* | ANNUAL FEE^ |
|---|---|---|---|---|---|---|
| Graduate Diploma in Engineering Management | 108004K | MEL | Semester 1<br>Semester 2 | 1 year | 6.5 < 6.0 | $47,200 |
| Master of Civil Engineering | 113899A | MEL | Semester 1<br>Semester 2<br>Summer | 2 years | 6.5 < 6.0 | $46,000 |
| Master of Construction Engineering and Management | 117010D | MEL | Semester 1<br>Semester 2<br>Summer | 2 years | 6.5 < 6.0 | $46,000 |
| Master of Engineering Management | 080775A | MEL | Semester 1<br>Semester 2<br>Summer | 2 years | 6.5 < 6.0 | $47,200 |
| Master of Manufacturing Engineering | 113898B | MEL | Semester 1<br>Semester 2<br>Summer | 2 years | 6.5 < 6.0 | $46,000 |
| Master of Professional Engineering | 117350F | MEL BEN | Semester 1<br>Semester 2 | 1 year | 6.5 < 6.0 | $47,000 |
| Master of Quantum Information Technology | 113441B | MEL | Semester 1<br>Semester 2 | 2 years | 6.5 < 6.0 | $38,325[1] |

**Please note:** Some courses have additional costs and details such as intake dates and majors or specialisations may vary between campuses or change throughout the year. Other courses and majors may require you to transfer to another campus at some stage during your course. The most complete and up-to-date course information can be found on the La Trobe website, so make sure you confirm all course details before submitting your application.

* While IELTS scores are our primary measure of English proficiency, we may accept tests other than IELTS if your overall score is the equivalent of the required IELTS score. Visit **latrobe.edu.au** to find out more.

^ Annual tuition fee is based on the course's EFTSL (Estimated Full-Time Study Load) of 120 credit points, but some courses may vary depending on length and study load. Fees are reviewed on an annual basis and may increase in the following calendar year. Please refer to the course page on the La Trobe University website for an up-to-date listing of annual tuition fees.

1. Annual tuition fee is based on the standard first year of 105 CP (credit points). Annual tuition fee will differ for second year. See course page on the La Trobe University website for more information.

### GROWING WORLDWIDE MARKET

The global civil engineering market is set to hit US$13.7 trillion by 2030, growing 6.1% annually from 2024.

Grand View Research, 2023, Civil Engineering Market Size, Share & Growth Report, 2030

### HIGH EARNING CAREER

The average civil engineer in Australia earns between A$95,000 to A$115,000 per year.

Seek, 2025, Civil Engineer salary

### DEMAND IN ASIA PACIFIC

Asia Pacific held over one-third of the total revenue share of the civil engineering market in 2023.

Grand View Research, 2023, Civil Engineering Market Size, Share & Growth Report, 2030

# HOW TO APPLY

## STEPS TO APPLY

STEP 1

### Find a degree

Use our course search tool to explore our range of undergraduate, postgraduate and research courses to find the right degree for you.

STEP 2

### Begin applying

As an international student, you can apply through an authorised La Trobe agent or directly via our online form.

STEP 3

### Check all entry requirements

You will find essential entry requirements for your course in this guide and the full list of requirements on the course page on our website.

STEP 4

### Collect academic and identity documents

When lodging your application with La Trobe, you will need to provide a range of academic, financial and identity documents.

STEP 5

### Submit your application

Download our application checklist before submission. Verify that you have met all admission criteria, then submit.

**Take the next step.**
**Start your La Trobe application now.**

## ENTRY REQUIREMENTS

At La Trobe, we have minimum academic and language requirements for undergraduate, postgraduate and graduate research study.

### Undergraduate

At a minimum, you need to have completed Australian Year 12 (or an accepted international equivalent) with a certain grade. You may also need to meet subject prerequisites.

### Postgraduate coursework

You need to have completed an Australian Bachelor's degree (or international equivalent) with certain grades. For some degrees, we may consider prior learning through work experience or professional accreditation. Some courses may have additional entry requirements.

### Higher degrees by research

We offer three types of graduate research degrees, depending on your goals, and educational and professional backgrounds. To find out the entry requirements, visit: **latrobe.edu.au/study/apply/research**

### English language requirements

IELTS scores are our primary measure of English proficiency. However, we may accept tests other than IELTS if your overall score is the equivalent of the required IELTS score. Once you know your course's minimum accepted IELTS score, check that score against the information on our website to see its equivalent score in other English proficiency tests.

**Don't meet all entry requirements?**
**Explore pathway options to your dream course at La Trobe.**



## LA TROBE INTERNATIONAL SCHOLARSHIPS

Our scholarships are designed to provide the support you need while you study in Australia.

We have scholarships available for all levels of study, whether you're pursuing undergraduate, postgraduate coursework or postgraduate research.

Our scholarship offerings reduce the stress of international study, recognise your achievements and reward your commitment to your future.

"La Trobe University offers a great deal of support to students, both academically and professionally. The school also has many scholarships to choose from, most are automatic, meaning you will automatically be considered for a scholarship."

**Alex**
Master of Data Science

**Find a La Trobe scholarship that supports your study journey in Australia.**

LA TROBE UNIVERSITY
AUSTRALIA

latrobe.edu.au/international

## TAKE THE NEXT STEP

**Meet us in your country**
latrobe.edu.au/international/contact/your-country

**Find an agent**
latrobe.edu.au/international/contact/agent-finder

**Events and webinars**
latrobe.edu.au/international/contact/events

## STAY CONNECTED

**Facebook**
La Trobe University

**Instagram**
@latrobeuni

**LinkedIn**
La Trobe University

**TikTok**
@latrobeuni

**Rednote**
La Trobe University 乐卓博大学

**WeChat**
LaTrobeUni_AU

**WhatsApp**
+61478967441

**Zalo**
latrobevietnam



La Trobe University is a registered provider under the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS). La Trobe University CRICOS Provider Code Number 00115M. TEQSA PRV12132; Provider Category: Australian University.

Published by La Trobe University, September 2025 - DC42132.

## ACKNOWLEDGEMENT OF COUNTRY

La Trobe University acknowledges our campuses are located on the lands of many Traditional Custodians in Victoria and New South Wales.

We recognise their ongoing connection to the land and value their unique contribution to the University and wider Australian society.

La Trobe University is committed to providing opportunities for Aboriginal and Torres Strait Islander people, both as individuals and communities, through teaching, learning, research and partnerships across all our campuses.

**Wurundjeri**
*Melbourne (Bundoora & City)*

**Dja Dja Wurrung**
*Bendigo*

**Yorta Yorta**
*Shepparton*

**Dhudhuroa/Waywurru**
*Albury-Wodonga*

**Latji Latji**
*Mildura*

**Gadigal**
*Sydney*