

# Welcome to the Engineering Institute of Technology (EIT)

Our qualifications are designed and presented by an international body of industry experts, ensuring our students graduate with cutting-edge skills that are valued by employers around the world.

**EIT**

ENGINEERING  
INSTITUTE OF  
TECHNOLOGY



<http://www.eit.edu.au/>



# Who are we?



The Engineering Institute of Technology (EIT) is a sister company of the reputable **engineering training organization**, IDC Technologies. IDC Technologies has been operating for **over 25 years**, from offices throughout the world.

**EIT was born from IDC to offer fully accredited qualifications via both innovative “live” webinar based delivery and on-campus.**

**EIT has been offering qualifications since 2008**

+500,000 engineers and technicians trained from companies including: BP, NASA to GE & Rolls Royce



# Background of EIT

## Online Study -

*Study from anywhere in the world with EIT*

EIT offers online programs through innovative and live eLearning in the following disciplines:

- [School of Industrial Automation, Instrumentation & Process Control](#)
- [School of Civil Engineering](#)
- [School of Data Communications & Industrial IT](#)
- [School of Electrical Engineering](#)
- [School of Electronic Engineering](#)
- [School of Mechanical Engineering](#)
- [School of Management](#)



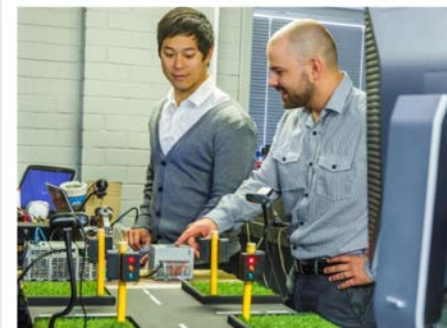
**Our delivery methodology:** <http://www.eit.edu.au/eits-course-delivery-methodology>

### Online Study Options:

- **Professional Certificate of Competency:** 3 months (part time, intensive)
- **Diploma of Leadership and Management:** 12 months (part time, intensive)
- **Advanced Diploma:** 18 to 24 months (part time, intensive)
- **Bachelor of Science:** 3 years (full time)
- **Graduate Certificate:** 6 months (part time, intensive)
- **Graduate Diploma:** 12 months (part time, intensive)
- **Master of Engineering:** 24 months (part time, intensive)

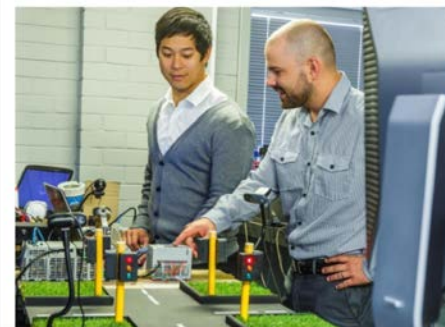
# Why choose EIT?

- Internationally endorsed Australian qualifications
- Practical, relevant courses driven by industry and aligned to it
- Presented by some of the finest engineering lecturers selected from around the world (EIT 'live' stream some of the finest engineering professionals from around the world).
- EIT lecturers have extensive industry experience
- Classes are interactive, interesting and motivational
- Students have access to an enormous depth of reference and research materials
- We pride ourselves on world class quality in education with a focus on engineering and technology
- We are not a bureaucratic institution. We have a deep interest in our students and genuinely care about preparing them for industry



# Student Support

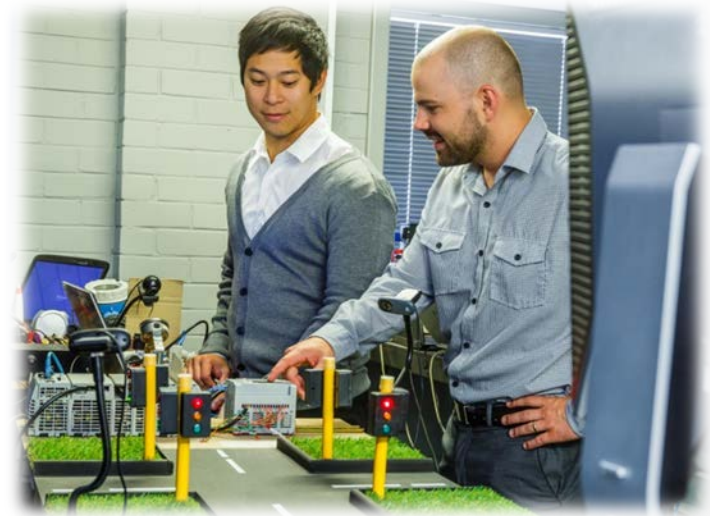
- Every EIT student has a designated Learning Support Officer (LSO) for each unit throughout their study. A LSO will assist with the overall academic support of the course.
- EIT has a dedicated Student Services Support Officer. EIT's Student Services Support Officer will be in contact with the student as soon as their visa has been granted.
- Students enjoy direct access to EIT's lecturers to assist with all their learning needs and clarifications for technical concepts.
- EIT offers a free airport pick-up service.
- EIT's assistance extends to all aspects of studying and living abroad, including:
  - Full orientation week (including relevant Australian laws, regulations, transport, health, banking and available recreational options).
  - Accommodation - free advice on locating appropriate and convenient home-stays, rental accommodation and temporary short term lodging such as hostels or serviced apartments.





# Master of Engineering (Industrial Automation)

- **Location:** Perth & Melbourne
- **Duration:** 2 years
- **Intake Dates:** February & July
- **Fees:** AUD \$22,750 per year
- Exit as a Professional Engineer (under the Washington Accord)
- Accredited Australian Qualification
- Provisionally accredited by Engineers Australia (EA) for the online mode of delivery, pending accreditation from EA for the on-campus mode of delivery
- Endorsed by the International Society of Automation (ISA)  
<https://www.isa.org/>



*"I have loved and cherished every moment with EIT... and I am looking forward to even better days ahead."* –

Evans, a student based in Nigeria, completed our [Master of Engineering \(Industrial Automation\)](#).

# Entry Requirements for the Master of Engineering (Industrial Automation)

To gain entry into this program, applicants need one of the following:

- a) a recognized 3-year bachelor degree\* in an engineering qualification in a congruent\*\* field of practice.
- b) an EIT Bachelor of Science (Engineering) degree in a congruent\*\* field of practice.
- c) a 4-year Bachelor of Engineering qualification (or equivalent), that is recognized under the Washington Accord or Engineers Australia, in a congruent\*\*, or a different field of practice at the discretion of the Admissions Committee.
- d) a 4-year Bachelor of Engineering qualification (or equivalent)\* that is not recognized under the Washington Accord, in a congruent\*\* field of practice to this program.

## AND

An appropriate level of English Language Proficiency equivalent to an English pass level in an Australian Senior Certificate of Education, or an IELTS score of 6.0 (with no individual band less than 6.0), or equivalent as outlined in the **EIT Admissions Policy**. All applicants must have evidence of automation and/or electrical exposure in their degree and/or work experience.

*\* With integrated compulsory 12-week professional industry experience, training or project work of which 6 weeks are directly supervised by a professional/eligible professional engineer as determined by EIT.*

*\*\* Congruent field of practice means one of the following with adequate content (fields not listed below to be considered by the Dean and the Admissions Committee on a case-by-case basis):*

- Industrial Automation
- Industrial Engineering
- Instrumentation, Control and Automation
- Mechanical Engineering
- Mechanical and Material Systems
- Mechatronic Systems
- Manufacturing and Management Systems
- Electrical Engineering
- Electronic and Communication Systems
- Chemical and Process Engineering
- Robotics
- Production Engineering



**Note:** If applicants do not meet the above requirements, applicants are welcome to apply in writing to the Admissions Committee.

# Entry Requirements for the Master of Engineering (Industrial Automation) *Continued*

- **Maths Bridging Test/Exam**

Maths bridging test/exam (non-proctored/invigilated): to be completed by all Higher Education students (online and on-campus) during orientation week, to be administered through Moodle. If a student fails the initial test they must complete EIT's 3 week bridging course (online) and then take the test again (non-proctored/invigilated). If the student fails again they will be considered a student at risk and managed in accordance with EIT's Student at Risk policy.

- **English**

All CRICOS applicants will be subject to a phone interview as a condition of their Letter of Offer (This is in addition to the English Language Proficiency requirements).



# WHY STUDY A MASTER OF ENGINEERING IN INDUSTRIAL AUTOMATION ?

There is a global shortage of automation, instrumentation and control engineers due mainly to restructuring and rapid growth of new industries and technologies. The respected International Society of Automation (ISA) estimated that at least 15,000 new automation engineers are needed annually in the US alone. Many industrial automation businesses throughout the world comment on the difficulty in finding experienced automation engineers despite paying outstanding salaries.

The Master of Engineering (Industrial Automation) perfectly addresses this gap in the industrial automation industry by providing a career-oriented, practical course with a strong theoretical underpinning.

## Job Outcomes:

Potential job roles include engineering and management positions in the following areas of expertise:

- Process control, commissioning and production management- Plant, factory and building automation
- Programmable Logic Controllers (PLCs), Distributed Control Systems (DCSs) and SCADA
- Industrial design and consultation
- Supply chain management, quality assurance and sales
- Operations, maintenance, field services and technical support
- Controls, instrumentation and robotics
- Industrial project management and business development

# Bachelor of Science Degrees

- **Bachelor of Science (Mechanical Engineering)**
- **Bachelor of Science (Electrical Engineering)**
- **Bachelor of Science (Industrial Automation Engineering)**
- **Bachelor of Science (Civil and Structural Engineering)**

- **Location:** Perth
- **Duration:** 3 years
- **Intake Dates:** February & July
- **Fees:** AUD \$22,750 per year
- Exit as a Technologist (under the Sydney Accord)
- Accredited Australian Qualification
- Provisionally accredited by Engineers Australia (EA) for the online mode of delivery, pending accreditation from EA for the on-campus mode of delivery



# Entry Requirements

## Bachelor of Science Degrees

### Entry is available to applicants who hold:

- An Australian Senior Certificate of Education or equivalent; **OR**
- A relevant (to the sub-discipline) Engineering Advanced Diploma or higher from an Australian higher education institution; **OR**
- An overseas qualification equivalent to the above item from a structured program of learning that leads to the full or partial achievement of an officially accredited qualification undertaken at a tertiary institution such as a university, government technical college, or government recognised private college (EIT assesses overseas qualifications using Australian Government guidelines to determine their comparability to qualifications);

### **AND**

- Satisfactory English language proficiency at an English pass level in an Australian Senior Certificate of Education or equivalent; **OR**
- A specified level of achievement in a recognised English language test such as: IELTS (or equivalent) at a score of at least 6.0 (with no individual band score less than 5.5); or TOEFL equivalent;

Please refer to academic equivalency here: <http://www.eit.edu.au/cms/help/bachelor-degrees-entry>

*\*All applications will be considered on a case by case basis and are subject to Admissions Committee Approval*

### It is desirable that applicants hold a Senior Certificate with:

- Advanced Mathematics; or WACE Mathematics: Methods; or equivalent
- Physics and Chemistry, with equivalents considered.
- Applicants with WACE Mathematics Applications (or equivalent) will be accepted, but EIT may also recommend a bridging course as a supplementary activity. To confirm that past studies in mathematics align with these requirements, applicants may compare the mathematics syllabus to the WACE here and contact an EIT Course Advisor for assistance:  
[http://www.scsa.wa.edu.au/internet/Senior\\_Secondary/Courses/WACE\\_Courses/Mathematics](http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Mathematics)

# Entry Requirements

## Bachelor of Science Degrees

### *Continued*

- **Maths Bridging Test/Exam**

Maths bridging test/exam (non-proctored/invigilated): to be completed by all Higher Education students (online and on-campus) during orientation week, to be administered through Moodle. If a student fails the initial test they must complete EIT's 3 week bridging course (online) and then take the test again (non-proctored/invigilated). If the student fails again they will be considered a student at risk and managed in accordance with EIT's Student at Risk policy.

- **English**

All CRICOS applicants will be subject to a phone interview as a condition of their Letter of Offer (This is in addition to the English Language Proficiency requirements).



WHAT IS

# CIVIL & STRUCTURAL ENGINEERING ?

Civil and structural engineering is one of the oldest forms of engineering which involves the design, construction, and maintenance of the built environment. Engineers in this field are responsible for ensuring that the infrastructure around us gets developed, is safe, meets our needs and improves our quality of life. This includes buildings, bridges, railways, tunnels, water distribution and waste management networks. As a civil engineer you could be involved in sustainable urban development, environmental protection, conservation of energy and water resources, or even geotechnical, hydraulic or transport engineering. You could even specialize in fields such as earthquake and blast-resistant technologies.

## JOB OUTCOMES - BSc (Civil & Structural Engineering)

Potential job roles include engineering and management positions in the following areas of expertise:

- Civil and structural planning, design and development
- Building contracts, sales, commissioning and consultation
- Building control and surveying
- Site management
- Water and waste management
- Civil and structural operations and maintenance
- Civil and structural project management and business development



WHAT IS

# ELECTRICAL ENGINEERING ?

The field of engineering concerned with the study and application of electricity and electromagnetism is electrical engineering. Essential to our modern infrastructure and conveniences, electrical engineers employ their skills across a large number of specializations, including the design of household appliances, lighting, wiring of buildings, telecommunication systems, power generation, transmission, distribution, and utilization.

Electrical engineers can be involved in designing new systems, solving problems, testing equipment and working on a wide range of components and systems, from the smallest microchips to huge power station generators. Electrical engineers work on the systems for the generation, distribution, utilization and control of electric power systems. They drive the transition to alternative and renewable energy sources.

## JOB OUTCOMES - BSc (Electrical Engineering)

Graduates will be able to be employed as technologists working in a wide range of utility, manufacturing, industrial, chemical, military, mineral process and mining industries.

Potential job roles include engineering and management positions in the following areas of expertise:

- Electrical system planning, design and development
- Power supply, distribution and transmission
- Electrical commissioning and power production management
- Renewable energy
- Electrical instrumentation and control
- Electronics research, design and testing
- Operations, maintenance, field services and technical support
- Electrical project management and business development
- Radio and television broadcasting
- Mining



A background image showing a green industrial robotic arm in a factory setting, with various mechanical components and wiring visible.

WHAT IS

# INDUSTRIAL AUTOMATION ?

Due to rapidly evolving technology, industrial processes are becoming increasingly automated. Previously mechanized systems which required human intervention now use computerized control systems for higher accuracy, precision and cost effectiveness.

Industrial automation is the use of control systems, such as computers or robots, and information technologies for handling different processes and machinery in an industry to replace a human being. It is the second step beyond mechanization in the scope of industrialization.

## JOB OUTCOMES - BSc (Industrial Automation)

Graduates will be able to be employed as technologists working in a wide range of manufacturing, industrial, chemical, military, mineral process and mining industries.

Potential job roles include engineering and management positions in the following areas of expertise:

- Process control, commissioning and production management
- Plant, factory and building automation
- Programmable Logic Controllers (PLCs), Distributed Control Systems (DCSs) and SCADA
- Industrial design and consultation
- Supply chain management, quality assurance and sales
- Operations, maintenance, field services and technical support
- Controls, instrumentation and robotics
- Industrial project management and business development

A background image showing a close-up of a mechanical engine component, possibly a piston or valve, with various bolts and metal parts visible.

WHAT IS

# MECHANICAL ENGINEERING ?

Mechanical engineering is the field of engineering that applies physics and the material sciences to develop machinery. Mechanical engineers use the principles of force, energy and motion to improve the safety, efficiency and technological advancement of the world around us. They are involved in design, manufacture and operational processes of anything that moves, from the tiniest, simplest micro-particles to the largest, most complex spacecraft and everything in between. As a mechanical engineer you have a skill set that is applicable to many industries in the world, including automotive, transport, manufacturing, power generation, medical, consumer goods and more!

## JOB OUTCOMES - BSc (Mechanical Engineering)

Potential job roles include engineering and management positions in the following areas of expertise:

- Mechanical design and manufacturing
- Material fabrication
- Mechanical power
- Thermal power and diesel
- Mechanical engineering contracts, sales, commissioning and consultation
- Building systems
- Industrial operations and maintenance
- Mechanical project management and business development
- Automotive engineering
- Acoustics
- Fluid mechanics, hydraulics and piping
- Lubrication
- Mining
- Heating, Ventilation and Air-conditioning (HVAC)

# EIT's Delivery Methodology

# Application Process

- 1) EIT receives EIT application (including supporting documents) on [perthcampus@eit.edu.au](mailto:perthcampus@eit.edu.au) or [oncampus@eit.edu.au](mailto:oncampus@eit.edu.au)
- 2) EIT will assess the application and will revert back if there are any questions.
- 3) A Letter of Offer will be provided within a week (depending on a full application being received).
- 4) The Letter of Offer will be conditional on an interview with EIT.
- 5) Once the Letter of Offer has been provided, all of the conditions (if any) must be satisfied and the Student Financial Declaration form (including the evidence) needs to be sent back to review. Once approved, the student will need to pay their first semester of fees.
- 6) Once EIT receives the funds, a CoE will be issued (proof of OSHC must be provided prior, unless EIT is organising it for the student).

# Scholarships

1. **The Australia Awards–Endeavour Scholarships and Fellowships** (*Australian Government Scholarship*)
2. **The Richard E. Morley Industrial Automation Scholarship**
3. **EIT Dean's Excellence Scholarship**
4. **EIT Senior Academic Excellence Scholarship**
5. **Relocation Scholarship**

Please refer to this link for all updated information on EIT's scholarships: <https://oncampus.eit.edu.au/scholarships.html>

# 2018 and into the future..

## Degree

Bachelor of Science (Civil and Structural Engineering) – Currently accepting applications <Perth only>

Bachelor of Science (Electrical Engineering) – Currently accepting applications <Perth only>

Bachelor of Science (Industrial Automation Engineering) – Currently accepting applications <Perth only>

Bachelor of Science (Mechanical Engineering) – Currently accepting applications <Perth only>

Master of Engineering (Industrial Automation Engineering) – Currently accepting applications <Perth & Melbourne>

Master of Engineering (Safety, Risk and Reliability) – *only running online\**

Master of Engineering (Electrical Systems) – *only running online\**

Master of Engineering (Mechanical Engineering) – *only running online\**

Master of Engineering (Electrical and Instrumentation in Oil and Gas) – *only running online\**

Master of Engineering (Civil: Transportation)\*

*\*Please note – EIT will provide all of the details on additional on-campus degrees once they have been confirmed. Currently they are only running online*



# Studying & Living in Western Australia, Perth



## *Facts*



***In 2016, Perth was ranked in the top 10 of the most liveable cities in the world***  
(Economist Intelligence Unit).

- Perth – capital of Western Australia.
- Perth enjoys more hours of sunshine than any other capital city in Australia.
- Perth is a safe, vibrant and modern city with a very low crime rate.
- Perth is multicultural with 1/3 of it's population born overseas.
- Perth is ranked #3 in the Friendliest Cities in the World by CNTranveler.
- Perth welcomes 50,000 international students each year from 148 countries.
- Perth is one of the closest Australian cities to South-East Asia. (Bangkok, Jakarta, Hong Kong, Kuala Lumpur and Singapore are all within five – seven hours flying distance).
- Western Australia is a driving force in Australia's economy, producing 40% of the country's exports, with only 11% of the total population.

# Studying & Living in Western Australia , Perth



## *Facts*



- Perth has recently experienced strong population growth, with an increased demand for services requiring qualified workers in fields like technology, construction and science.
- Western Australian salaries are 13% higher than the national average.
- 43.6% of international students work part-time
- Average Perth wage \$19.50
- Perth is the least expensive place to study in Australia. Sydney is the most expensive city in Australia.
- In the Perth CBD, Joondalup & Fremantle there are free bus services. Students receive 40% discount on public transport throughout Western Australia.



# Studying & Living in Victoria, Melbourne



## *Facts*

- Melbourne – Victoria's capital.
- World's most liveable city.
- Ranked one of the best student cities.
- Melbourne has a creative energy, sophistication and welcoming atmosphere.
- Melbourne has a great public transport system around the city.
- Melbourne is safe & has a multicultural environment.
- 38 per cent of the population in Melbourne were born overseas, as of 2013.
- Melbourne has the highest number of cafes and restaurants per number of people than any other city in the world.
- According to the RSPCA, Melbourne is officially the fox capital of the world, with between 6 and 23 foxes per square kilometre in the urban area of the city.

# Where is Perth & Melbourne?





# EIT Perth Campus









# EIT Melbourne Campus

*Only for Master of Engineering (Industrial Automation) Degree*

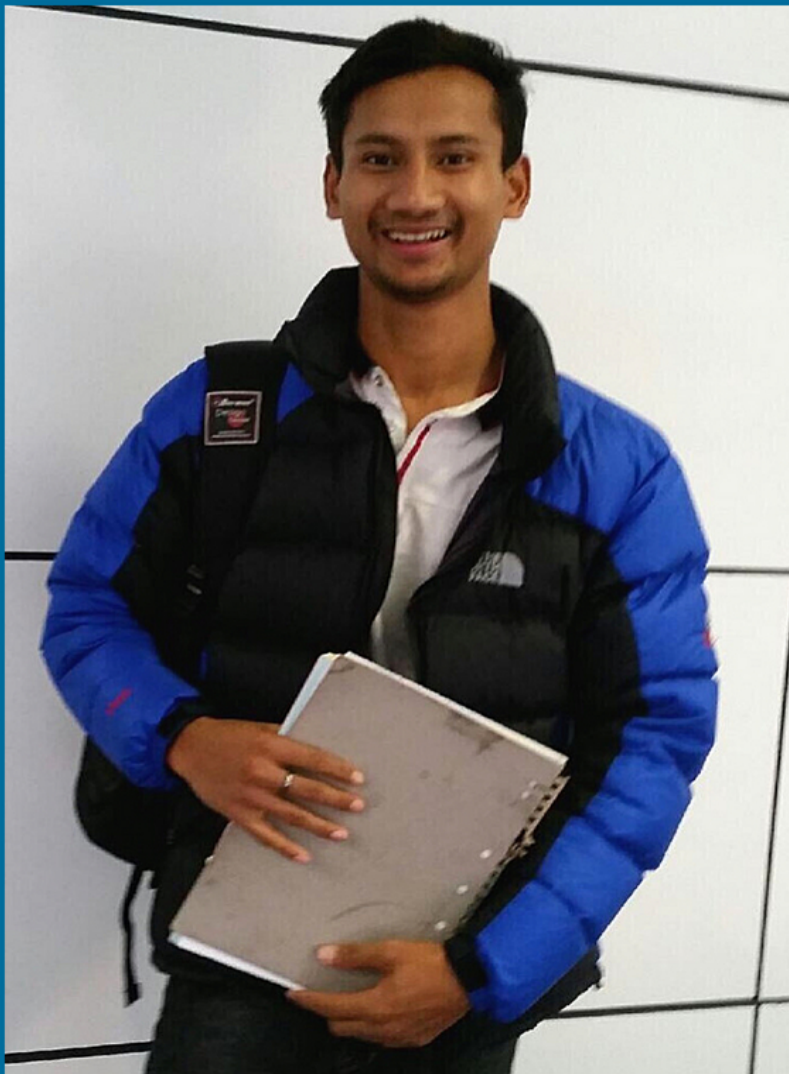




**"Small classrooms with less students, means you can ask questions any time and receive quick responses when you email your lecturer."**

*— Ali Sher Sipra, Bachelor of Science  
(Civil and Structural Engineering)*





**"The guidance from the lecturers/course coordinators, and the opportunities to learn from such knowledgeable teachers is awesome!"**

*— Amrit Thakur, Bachelor of Science (Mechanical Engineering)*



**“EIT is one of the best institutes to study engineering. The staff at EIT are experienced and helpful, and they understand international students. Lecturers always encourage and guide the students.”**

*— Komaldeep Kaur, Bachelor of Science (Electrical Engineering)*



# Thank you from the team here at EIT

Come and study with the Engineering Institute of Technology

In the Sunniest Capital in Australia



## We are looking forward to working with you.