DEAKIN
UNIVERSITY AUSTRALIA
Worldly

# 2016 POSTGRADUATE ENGINEERING

Melbourne I Geelong I Warrnambool I Cloud (online)

CIVIL AND WATER ENGINEERING
ELECTRICAL AND RENEWABLE ENERGY ENGINEERING
ELECTRONICS ENGINEERING
ENGINEERING MANAGEMENT
FRONTIER MATERIALS AND NANOTECHNOLOGY
MECHANICAL ENGINEERING DESIGN
RESEARCH DEGREES

Engineering offers an exciting future for your working life, with a huge demand for engineering graduates currently in Australia and internationally – skilled engineers are needed across all sectors, opening up excellent career opportunities around the world.

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# WHY DEAKIN?

### World-class facilities

Studying at the Geelong Waurn Ponds Campus offers a huge range of benefits to Deakin engineering students, including access to the Geelong Technology Precinct (GTP) and the Centre for Advanced Design in Engineering Training (CADET) – a partnership between Deakin University and the Australian Government.

The Geelong Technology Precinct provides a unique resource and facility for research aimed at industry cooperation and research application. The precinct is home to the Institute for Frontier Materials (IFM), Centre for Intelligent Systems Research (CISR), CSIRO Materials Science and Engineering and the Australian Future Fibre Research and Innovation Centre. The GTP facility provides resources for IFM to continue to undertake its unique style of research combined with industry co-operation. The Metabolic Research Unit (MRU) and several industry tenants are also located within the precinct.

### CADET*

Deakin's Centre for Advanced Design in Engineering Training (CADET) provides some of the best future-focused engineering and design facilities in the Australian tertiary sector and offers the most advanced engineering and design training capabilities in regional Australia.

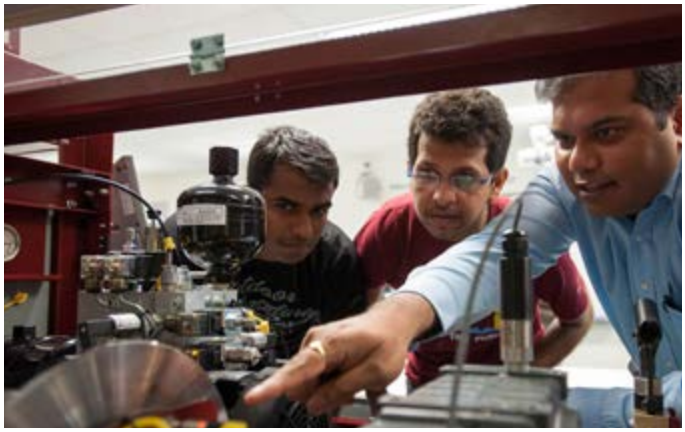
Opened in 2015, CADET enables Deakin's staff and students to explore endless possibilities through desktop manufacture and computer modelling, virtual reality environments, 3D printing, one of the largest high voltage teaching labs and world-leading rapid prototyping capabilities.

CADET houses virtual and real prototyping facilities, allowing creative design solutions to be developed almost seamlessly from imagination to reality manufacture in a single process. Be it new wind turbines, medical devices, sustainable infrastructure, alternative vehicles or robotic aids, CADET provides the key elements to design and engineer the ultimate solution.

* CADET is a partnership between Deakin University and the Australian Government.

### Leading the way in engineering

Excellence in Research for Australia (ERA) awarded Deakin the highest ranking possible of 5 in the categories of Materials Engineering and Manufacturing Engineering, with Mechanical Engineering awarded a ranking of 4 (which is classed 'above' world standard), highlighting Deakin's strength in engineering-related research.



# WHY DEAKIN?
CONTINUED

## A practical focus

Develop technical skills, a positive approach to problem solving and the ability to work as part of a team, while focusing on practical experience and a supervised research or industry project that provides you with the advanced project management skills required to tackle complex, industry-focused problems head on.

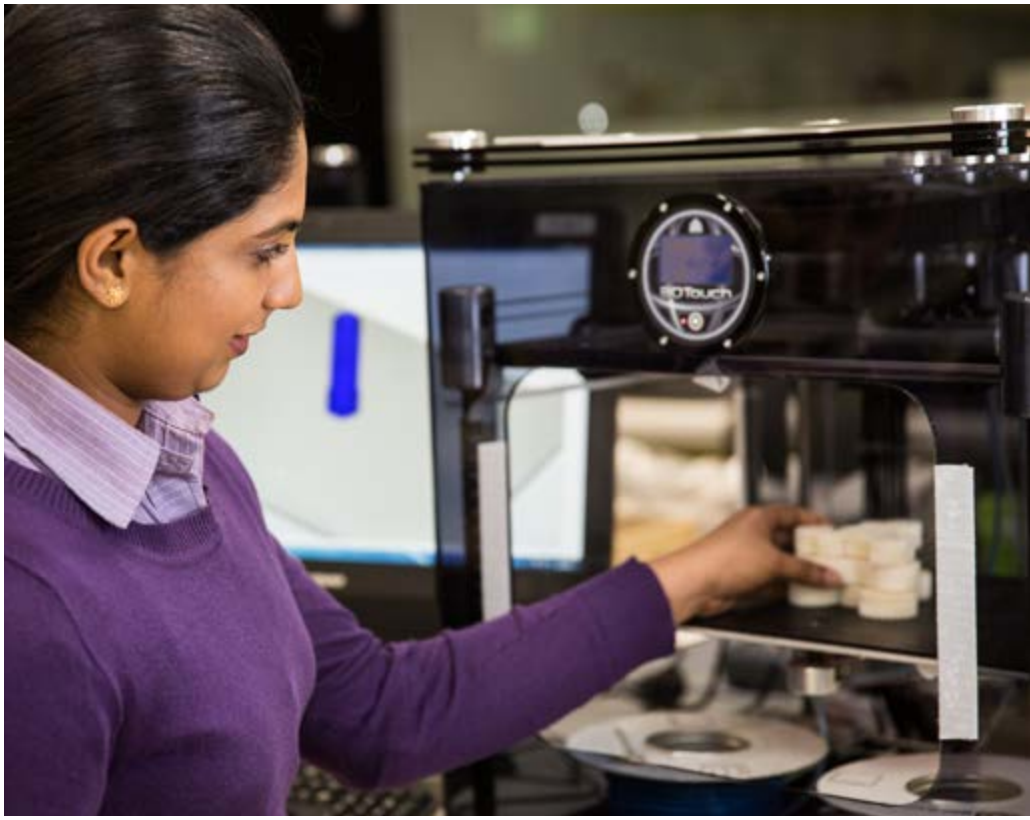
## Engineers are in demand around the world^

Our graduates get jobs. With an international skills shortage in the engineering industry, Deakin graduates are in demand. Not only that, employers seek out Deakin graduates for their forward thinking, innovative and entrepreneurial qualities. You can choose from specialisms in civil and water engineering, electrical and renewable energy engineering, electronics engineering, mechanical engineering design and engineering management.

^ www.abc.net.au/radio/programitem/pgQk7AO2b6?play=true

## Industry engagement

Employers are looking for graduates who are fully equipped with advanced engineering skills and capable of starting work on projects immediately – our postgraduate engineering programs offer a number of work placement opportunities. Industry plays a significant role in our direction through genuine engagement with organisations such as Shell, ISCAR, SP AusNet, Ford, Barwon Water, Vic Roads, Quicksilver, and many others, enabling us to develop industry ready graduates who are in high demand. Guest lectures as well as placements and industry projects all culminate in an experience that can be life changing, as well as career shaping.



## Master of Science (Research)

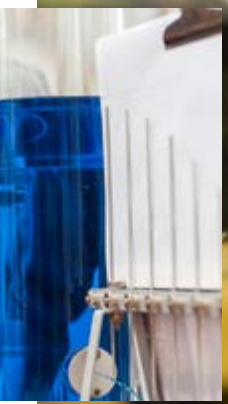
The Master of Science (Research) is a unique course comprising a combination of coursework and research. This advanced degree prepares you for a career in industry and can serve as a pathway between undergraduate studies and a PhD. For more information about this course and each engineering-related specialisation, please see page 8.

Research is another cornerstone of the School of Engineering's approach and we stand behind our assertion that our programs are not merely research informed but are genuinely research led.

## ASSOCIATE PROFESSOR ARUN PATIL

**COURSE DIRECTOR, SCHOOL OF ENGINEERING**

'Our postgraduate engineering courses are innovative, unique and designed to build on our student's understanding of the principles required to secure a successful engineering career within Australia and globally.'



### SCHOLARSHIPS

At Deakin, we believe everyone should have the option of going to university. There is an array of scholarships available to students through Deakin and other parties, including the Australian Government.

For a full list of scholarship opportunities and information on how to apply, please visit **deakin.edu.au/study-at-deakin/scholarships-and-awards**.

# WHAT CAN I STUDY?

## Civil and water engineering

Demand for civil engineers has been rising for many decades due to extensive expansions in infrastructures around the world. In the current competitive employment market it is essential to obtain an in-depth understanding of various elements that are crucial for the construction, maintenance, upgrades and expansion, as well as management of various infrastructures within a short period of time.

The civil and water engineering specialisation is structured to do this and is designed to provide you with practical industry knowledge in the design, construction and project management of roads, airports, railways, water supply and sewerage systems, water resources management, buildings and other infrastructures.

Master of Engineering

Master of Engineering (Professional)

## Electrical and renewable energy engineering

Deakin's electrical and renewable energy engineering specialisation is designed to produce engineers and professionals who can take up leadership roles in the contemporary power system environment. The program is carefully developed in response to industry needs, due to the strong demand in the renewable energy sector worldwide. It provides unique technical, research and practical learning experiences with access to industry projects, which will allow you to work closely with engineers in the area of electrical and renewable energy. You will have access to industry-standard tools, world-class facilities and flexible study options, providing you with an opportunity to engage with academic staff who have extensive nationally and internationally recognised teaching and research profiles in the area of electrical and renewable energy.

Master of Engineering

Master of Engineering (Professional)

## Electronics engineering

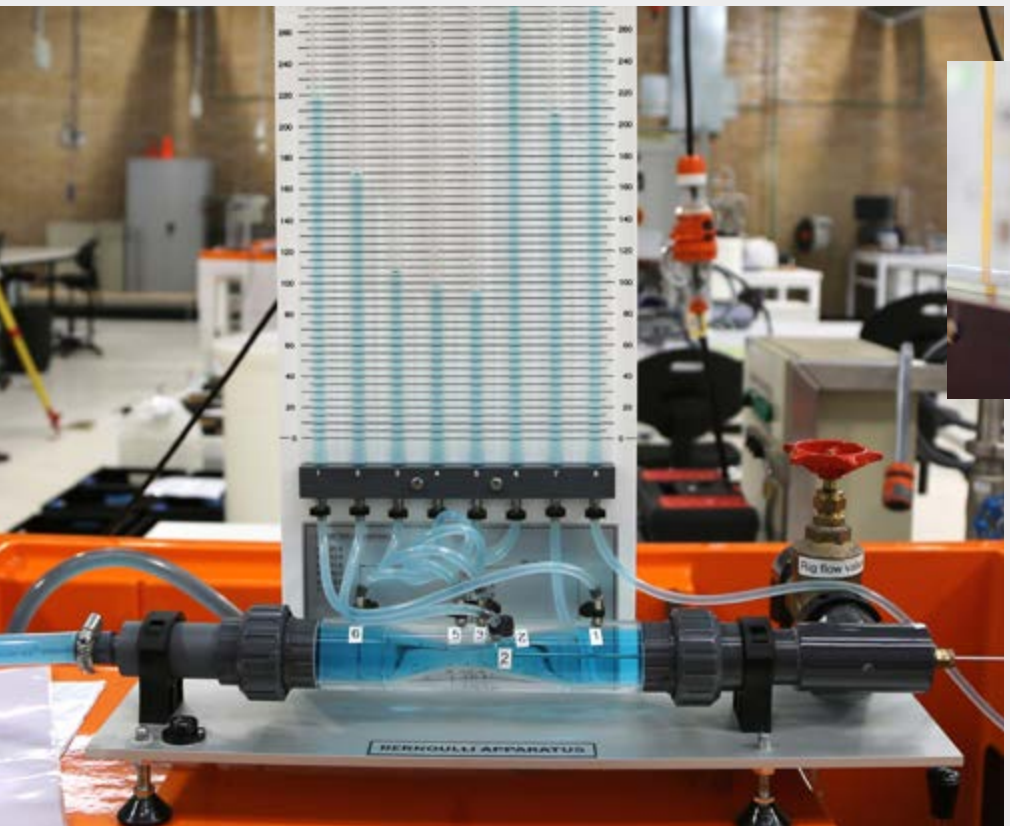
The electronics engineering specialisation allows you to upgrade your skills and specialise in technology areas associated with electronics. In this master's by coursework program the focus is on systems control, sensor networks, instrumentation and process control and embedded systems.

Graduates can work in a wide range of industries, including:

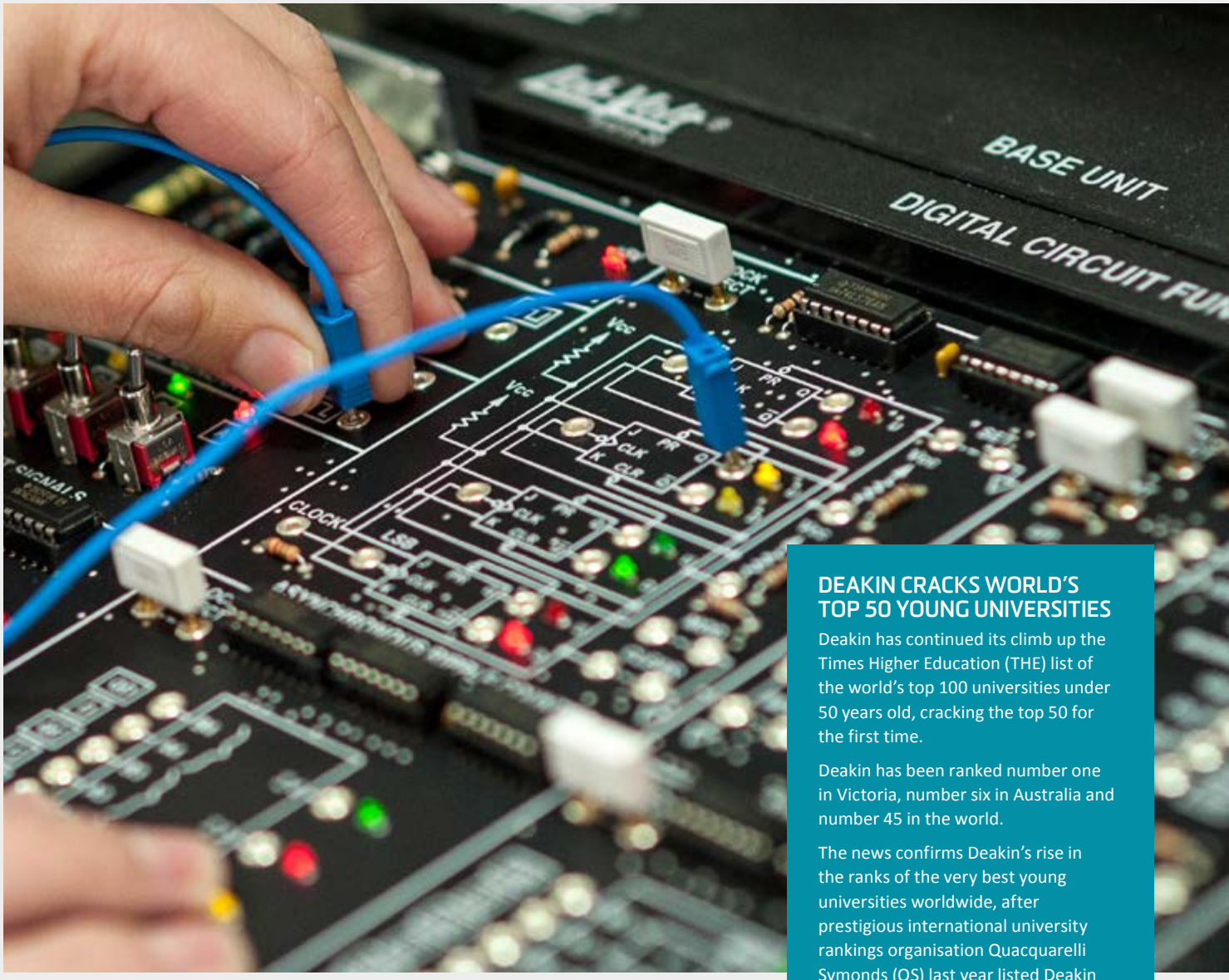
- communications
- microelectronics
- electronic equipment design and manufacturing
- medical equipment and networks.

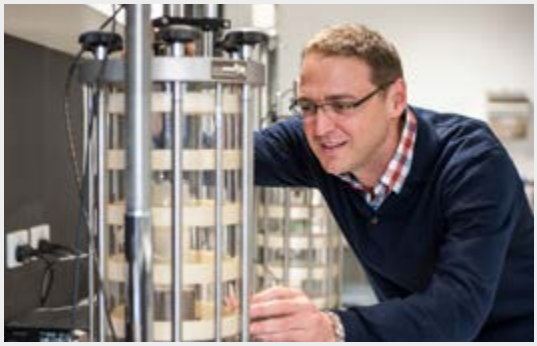
Master of Engineering

Master of Engineering (Professional)



For more information about these courses, including fees, duration and prerequisites, please see page 14 or visit: **deakin.edu.au/study-at-deakin/find-a-course/engineering**.





## DEAKIN CRACKS WORLD'S TOP 50 YOUNG UNIVERSITIES

Deakin has continued its climb up the Times Higher Education (THE) list of the world's top 100 universities under 50 years old, cracking the top 50 for the first time.

Deakin has been ranked number one in Victoria, number six in Australia and number 45 in the world.

The news confirms Deakin's rise in the ranks of the very best young universities worldwide, after prestigious international university rankings organisation Quacquarelli Symonds (QS) last year listed Deakin at number 50 on its Top 50 under 50.

Vice-Chancellor Professor Jane den Hollander says at only 40 years young, Deakin owes its continuing success to a strong vision for the future and its wonderful staff, researchers, students, communities and partners.

'In the past two years, Deakin has leapt 21 places from 66 to 45 in the list of the top 100 universities under 50 years old,' Professor den Hollander says.

'Times Higher Education says younger universities are bullish and "they have no fear of the future or of older rivals" – and I couldn't agree more. Deakin is ready to drive the innovation that will create the jobs of the future.'

THE ONE HUNDRED UNDER FIFTY

> "We don't use classrooms, we use super smart labs where creativity, design and problem solving is at the heart of the curriculum, and students design, build and learn at the same time."
>
> Professor Jane Den Hollander
> Vice-Chancellor, Deakin University

# WHAT CAN I STUDY?

CONTINUED

## Engineering management

Professional engineers dealing with an increasingly diverse range of engineering activities, often find themselves as champions and managers, expected to apply their context of knowledge coupled with practical management skills. Industry expects professional engineers to lead, to develop and manage products throughout their lifecycle. The expectations later grow towards marketing, servicing and supporting the product, while ensuring its sustainability.

Deakin's School of Engineering has long-recognised the industry need for engineering graduates with strong management background, practice and skills. Specifically for that, a unique engineering management specialisation was developed, combining engineering project management with engineering leadership. This focus assists graduates to devise real solutions for challenges faced by today's engineering managers and leaders, as well as coping with changes and developing flexibility. You are invited to embark on a real engineering environment and to acquire the skills and the knowledge to become a successful technical leader.

Master of Engineering

Master of Engineering (Professional)

## Mechanical engineering design

Mechanical engineering involves the design, production and operation of systems, mechanical devices and machinery. Mechanical engineers are involved with almost every design imaginable, especially complex items like cars, robots and aeroplanes.

Product development and innovation are key drivers for Australian industry. To meet this demand, Deakin's mechanical engineering design specialisation brings together studies in leading computer-aided engineering technologies and advanced materials and manufacturing, while drawing on Deakin's world-class research teams in a practical and applied approach. This allows students to acquire a solid understanding of product and process modelling and designing for sustainability.

Master of Engineering

Master of Engineering (Professional)

Hear what our researchers have to say about research in the School of Engineering.

**deakin.edu.au/sebe/engres**

## Master of Science (Research)

The first of its kind to be offered at Deakin, this course comprises a unique combination of coursework and research. This advanced degree prepares you for a career in industry and can serve as an ideal pathway to doctoral studies.

The first year of the course includes units related to the specialisation of your choice and is focused on research training and methods. The second year of the degree comprises a research thesis in an area of interest to you that is completed over two trimesters.

Five engineering specialisations are available depending on your research interests and career aspirations.

### SPECIALISATIONS

#### Civil and water engineering

This specialisation teaches you to plan, design, construct and maintain essential day-to-day infrastructure systems.

#### Electrical and renewable energy engineering

Prepares graduates for professional and leadership roles in contemporary power system environments.

#### Electronics engineering

Allows students to specialise in control systems engineering; instrumentation and process control; sensor networks; and embedded systems.

#### Mechanical engineering design

Brings together studies in leading computer-aided engineering technologies and advanced materials and manufacturing.

#### Frontier materials and nanotechnology

Equips students with the skills to push forward the frontiers of technology through the development of new materials.

**deakin.edu.au/study-at-deakin/find-a-course/master-of-science-research**

For more information about these courses, including fees, duration and prerequisites, please see page 14 or visit: **deakin.edu.au/study-at-deakin/find-a-course/engineering**.

## VIRTUAL REALITY AND ENGINEERING

Walking inside a virtual jet engine to 'see' potential design flaws is just one possibility offered by the virtual reality (VR) CAVE within Deakin's new state-of-the-art engineering facility.

Being inside a Cave Automated Virtual Environment (CAVE) is like nothing else, explains Deakin mechatronics expert, Dr Ben Horan, who designed the lab.

'Imagine being inside a twenty-five cubic metre area where you are surrounded by 3D virtual reality and you can see, hear and touch everything in the environment. Users will be able to move around and through models of new designs, such as machinery, prototypes, buildings, or even human scenarios, at any scale, depending on the nature of the project.

'The potential applications of this technology are only limited by our imaginations,' says Dr Horan.

The VR CAVE is based within the new Centre for Advanced Design in Engineering Training (CADET). It is set to offer some of the best future-focused engineering and design facilities in any Australian university – and the most advanced in regional Australia.

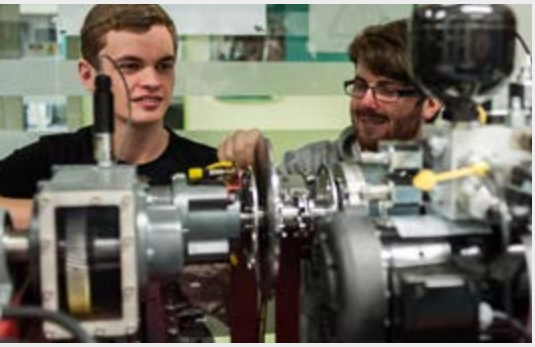
'What makes our CAVE unique is that we have designed it to be versatile enough to support a wide range of research applications through the integration of an array of cutting edge technologies,' he says.

'The VR CAVE offers high realism and high resolution. It is totally immersive, with full peripheral vision. For instance, you could be physically exploring the inside of an aircraft design and not only be able to visualise in high resolution 3D vision, but, through haptics technology, be able to use your hands to touch and feel the various components of the aircraft interior – all before the creation of any physical prototype.'

# RESEARCH IN ENGINEERING

Deakin is a significant leader in a number of engineering focused research areas and coupled with modern state-of-the-art facilities the experience our students gain can be considered best in class providing opportunities for research degrees or research careers in Australia or overseas. The School of Engineering is committed to the generation of fundamental knowledge, high-quality research training and assisting industry advance technology to maintain a competitive edge.

The School of Engineering offers research opportunities in the following areas: Advanced Design and Manufacturing; Sustainable Infrastructure and Engineering Education and is also associated with the following Strategic Research Centres and Institutes: Centre for Intelligent Systems Research (CISR) and the Institute for Frontier Materials (IFM).



**Advance design and manufacturing** – Researchers from the School of Engineering, the Institute for Frontier Materials and the Centre for Intelligent Systems Research have widespread expertise in design, numerical simulation, materials and manufacturing and collaborate closely with the manufacturing sector both locally and globally across a broad range of industries.

Research areas include: automotive innovation, biological micro electro mechanical systems, materials manufacturing and modelling, networked sensing and control, signals and systems, sports and rehabilitation engineering.

**Sustainable infrastructure** – The Sustainable Infrastructure research theme is dedicated to the establishment of a multi-disciplinary research platform that enables researchers to address current and future challenges in infrastructure engineering. The research team has the expertise to deliver high impact applied and fundamental collaborative research in the areas of structural engineering, corrosion and water management.

Engineering at Deakin is different as it is research led, rather than simply research informed. Learn from world-class researchers from the School of Engineering, Institute of Frontier Materials (IFM) and Centre for Intelligence Systems Research (CISR). Deakin is a significant leader in a number of engineering focused research areas, most notably manufacturing and materials.

## WORLD-FIRST PIPELINE HEALTH MONITORING SYSTEM

Research projects funded by Australia's energy pipeline industry have recently been initiated at Deakin, aiming to develop a world-first pipeline health monitoring system based on a high tech sensor developed by Deakin researchers.

The Deakin Corrosion Research Centre has been granted about $1 million by the Energy Pipelines Co-operative Research Centre to progress the sensor technology through a three-year development phase – leading to commercialisation. The researchers will also use the funds to undertake extensive modelling of corrosion under disbonded coatings.

Co-director of the Deakin Corrosion Research Centre, Professor Mike Tan, explains that the unique sensor-based pipeline health monitoring system should help the industry to extend the lifespan of pipelines by decades.

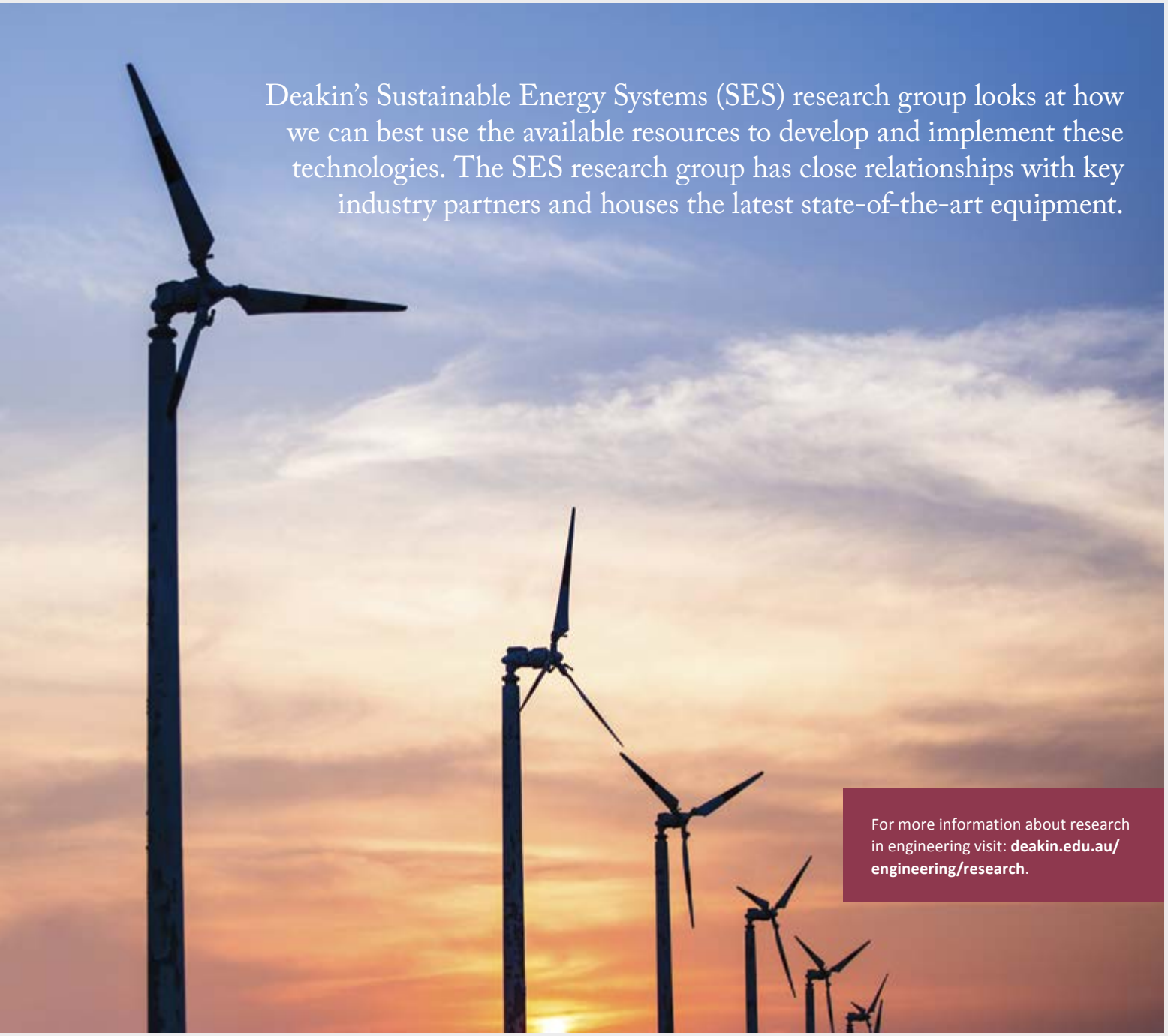
'Pipelines are a multi-billion dollar asset within Australia,' says Professor Tan. 'They were designed to last for 30 to 40 years, and many of Australia's oil and gas pipes are near the end of that timeframe, but the companies would face huge difficulties and expenses if they were to replace them.'

'The energy pipeline industry has a "dream" to economically extend the safe operational life of their pipelines to 100 years. I believe that our technology will help them to achieve it.'

**Engineering education** – Deakin Engineering Education Research (DEER) is dedicated to the establishment of a multi-disciplinary research platform that enables researchers to address current and future challenges in Engineering Education.

DEER brings together academic staff from across the University with research interests in Engineering Education.

The DEER Group includes nationally and internationally recognised researchers in the field of Engineering Education and has the expertise to deliver high impact collaborative research in the areas of Design Based Learning, Project Based Learning, Distance & Cloud based education and Educational Technologies.



Deakin's Sustainable Energy Systems (SES) research group looks at how we can best use the available resources to develop and implement these technologies. The SES research group has close relationships with key industry partners and houses the latest state-of-the-art equipment.

For more information about research in engineering visit: **deakin.edu.au/engineering/research**.

## RESEARCH AGREEMENT WITH WORLD'S LARGEST WIND TURBINE SECTOR

A research agreement signed by Deakin in China has opened the way for Deakin researchers to participate in the world's largest wind turbine sector.

The Research Agreement with the Dongfang Turbine Company provides for a five-year project that will see researchers from Deakin's Polymers Research Group developing high performance epoxy resins and composites for Dongfang Turbine Company.

'Wind power has been identified as a key growth component of China's economy,' says Professor Astheimer, Deakin's Deputy Vice-Chancellor (Research). 'China is now the world's largest user of wind power, accounting for around 31 per cent of the total wind energy. This agreement is an ideal opportunity for Deakin to contribute our know-how to the growth of this fundamental green energy resource.'

Deakin's Professor Guo explains that the researchers will focus on developing a composite material that has a longer life and is lighter, cheaper and more environmentally friendly than the resin currently used to make the turbines. They will also explore the potential for carbon fibre to further enhance turbine performance in the future.

The Global Wind Energy Council has claimed that the development of wind energy in China is unparalleled in the world – and it has been estimated that China could meet all of its electricity needs from wind power by 2030.

# STUDY
# OPTIONS AND APPLICATIONS

## Study options

We provide a range of options and choices to allow your postgraduate study to suit your needs:

- If you're studying via cloud (online) learning, you really can study anywhere or any time. Our use of the cloud means you don't have to attend a campus to have a rich, interactive, personal and empowering learning experience.
- If you do choose campus learning, our four campuses in Melbourne, Geelong (Waterfront and Waurn Ponds) and Warrnambool, give you plenty of options.
- Life can change very quickly and what suits you one year, might not the next. That's why many courses give you the option to switch between full-time and part-time study, as your needs shift.
- With more than 150 postgraduate courses, there's plenty to choose from at Deakin. Many courses also give you the flexibility to tailor your studies to your interests and aspirations through your choice of elective subjects.
- We can help you fast-track your degree through our trimester system. Deakin has three trimesters, with an optional trimester over the summer, which means that for some courses you can study year-round and complete your degree sooner.

**deakin.edu.au/study-at-deakin/study-options-and-pathways/flexible-study-options**

## Credit transfer and recognition

Credit transfer and recognition is credit granted towards your Deakin course for relevant approved study or work experience. There are two aspects to credit transfer and recognition:

- credit may be transferred to your Deakin course from completed or partially completed studies you have undertaken at other accredited institutions
- credit may be granted on the basis of knowledge and skills acquired through uncredentialled learning.

**deakin.edu.au/study-at-deakin/apply/credit-for-prior-learning**

### STUDENT COMPUTING REQUIREMENTS

There are certain computing requirements students must meet in order to successfully study at Deakin. For more information, please visit **deakin.edu.au/study-at-deakin/apply/computer-requirements**.

## FOR DOMESTIC STUDENTS

### How to apply

#### Coursework applications

To apply for a postgraduate coursework degree you will usually need to have completed an undergraduate degree; however, there are other pathways. If you have considerable work or life experience, in some instances you may be able to use this to obtain admission into a graduate certificate or graduate diploma course. You may then progress to a master's degree subject to University approval.

#### Research applications

Deakin offers three types of research degrees: Masters by Research, Doctor of Philosophy (PhD) and Doctor of Psychology. A research degree requires the candidate to complete an approved program of research under the guidance of one or more supervisors within a time period. Supervisors are experienced and active researchers with expertise in the field of study.

#### Application dates

Applications for coursework degrees commencing in Trimester 3, 2015 and Trimester 1, 2016 open in August 2015. Applications for Trimester 2, 2016 open in April 2016. Some postgraduate courses have alternative application processes and closing dates. Applications for research candidature without scholarship may be made at any time.

### FOR MORE INFORMATION ON HOW TO APPLY AND APPLICATION DATES

Coursework degrees – **deakin.edu.au/study-at-deakin/apply**

Research degrees – **deakin.edu.au/study-at-deakin/apply/apply-for-a-research-degree**

General enquiries – **1300 DEGREE (1300 334 733)**.

Deakin Research – phone **+61 3 9251 7124**, email research-hdr@deakin.edu.au, visit **deakin.edu.au/study-at-deakin/research-degrees-doctoral-and-masters**

Deakin International – email study@deakin.edu.au visit **deakin.edu.au/international**

# FOR INTERNATIONAL STUDENTS

## English language requirements

English is the language of instruction and assessment at Deakin. As an international student you will need to demonstrate your English language ability to be eligible to enter the Deakin degree program of your choice.

There are two options available for international students to meet the English language requirements for their degree program:

**Option 1** – You have completed previous studies in English (conditions apply)*

**Option 2** – You received a high enough score on an approved English language test*. The Courses at Deakin table in this booklet provide you with the minimum IELTS scores needed for the degree program of your choice.

For a list of approved English tests and scores, as well as further information about Deakin's English language requirements, please visit **deakin.edu.au/study-at-deakin/international-students/apply/step-3-check-you-meet-the-entry-requirements/english-language-requirements**.

* Applicant's previous studies or English language test results must have been within the last two years to meet Deakin's English language requirements.

## Deakin University English Language Institute (DUELI)

Do you need help meeting Deakin's English language requirements? Or do you want to improve your English and study skills before starting your degree? DUELI can help you improve your English and prepare you for study at Deakin.

### DUELI is part of Deakin University

DUELI is more than an English language centre – it is part of Deakin University. As a DUELI student you have full access to all of Deakin's facilities and services. This includes libraries, health and counselling services, as well as Deakin's sport facilities.

### The DUELI advantage

DUELI is recognised as one of the best English language centres in Australia. As part of Deakin, DUELI will do more than improve your English. DUELI will give you the chance to improve your study skills and become familiar with studying at an Australian university.

For more information about DUELI, please visit **deakin.edu.au/study-at-deakin/international-students/deakin-university-english-language-institute**.

## How to apply

Once you have chosen a degree and checked all entry requirements, applying to study at Deakin is simple.

### When can I apply?

Applications for international students are open all year. There are three trimester intakes for which you can apply – March, July and November – depending on your chosen course.

### How do I apply?

Once you have organised all the necessary documentation, you can submit your application using one of the following methods:

#### Applying online

To apply online, visit **applicantportal.deakin.edu.au/connect/webconnect** for online application portal.

#### Applying by mail or email

After completing the relevant application forms you can either mail or email your application to Deakin International.

#### Applying in person

Deakin has a number of offices around the world to apply in person. You can visit the Deakin International offices located in Australia (Melbourne), China (Beijing and Wuhan), India (New Delhi) or Indonesia (Jakarta).

#### Applying through a representative

Deakin representatives from around the world can assist you in submitting your application. You can find a representative in your country by visiting **deakin.edu.au/international/reps/**.

For detailed information about the Deakin application process, please visit **deakin.edu.au/study-at-deakin/international-students/apply**.

## Fees

### Tuition

Tuition costs for studying at Deakin vary depending on the course you select to study. The annual course fee indicates the cost for two trimesters of study.

The fee for one trimester as listed in your Offer Letter must be paid before Deakin can issue you a Confirmation of Enrolment (COE). You will need a COE to apply for a student visa.

Please note that Deakin will be determining course fees by a new method for 2016. Starting in Trimester 1 of 2016, international students will pay one flat course fee for their studies, regardless of what units they take in a given trimester.

If you plan to start your Deakin studies in Trimester 3 of 2015, please be advised that your tuition costs for 2015 will be based on the units that you take.

For more information on fees, please visit **deakin.edu.au/study-at-deakin/fees**.

### Overseas Student Health Cover

In addition to tuition fees, all on-campus international students are required to pay Overseas Student Health Cover (OSHC).

OSHC service providers offer concessional rates for OSHC paid at the offer acceptance stage for health coverage for the length of your visa. The amount payable will be included in your Offer Letter.

### Other costs

Other costs you will need to pay are living costs (food, accommodation, etc.) and course-related expenses, such as computer equipment, books, field trips and special equipment or clothing (if applicable to your course).

Deakin is home to over 8000 international students from around the world.

# COURSES AT DEAKIN

Melbourne Burwood Campus B
Geelong Waterfront Campus WF
Geelong Waurn Ponds Campus WP
Warrnambool Campus WB
Cloud (online) X

T1 = Trimester 1
T2 = Trimester 2
T3 = Trimester 3
FT = Full time
PT = Part time

For international course fee information, please visit **deakin.edu.au/fees**.

| | CODE | YEARS FT# | CAMPUS | TRIMESTER INTAKE OPTIONS^ | 2016 FULL FEE-PAYING COST* | 2015 INDICATIVE CSP COST* | IELTS~ |
|---|---|---|---|---|---|---|---|
| **Coursework** | | | | | | | |
| **Master of Engineering**<br>Admission requirements: A four-year bachelor's degree in the same discipline (engineering) or membership of Engineers Australia or equivalent professional body.<br>Exit option is available at the graduate certificate (4 credit points) level. | S750 | 1 | WP | T1, T2, T3 | $28 760 | – | 6.5/6 |
| **Master of Engineering (Professional)**<br>Admission requirements: A four-year bachelor's degree in the same discipline (engineering) or membership of Engineers Australia or equivalent professional body.<br>Exit options are available at the graduate certificate (4 credit points) or master's (12 credit points) level. | S751 | 2 | WP | T1, T2, T3 | $28 760 | – | 6.5/6 |
| **Master of Science (Research)¥**<br>Admission requirements: A bachelor's degree in engineering (or equivalent) that is aligned with the chosen specialisation in the Master of Science (Research). The undergraduate qualification must be equivalent to an Australian degree of at least four years of full-time study with a minimum weighted average mark (WAM) or grade point average (GPA) of 65% in the final year units/subjects. | S820 | 2 | B WP | T1, T2 | $28 000 | – | 6.5/6 |
| **Research** | | | | | | | |
| **Master of Engineering** | S825 | 1–2 | WP X | | – | – | |
| **Doctor of Philosophy** | S915 | 3–4 | WP X | | – | – | |
| **Master of Science (Research)¥** | S820 | 2 | B WP | | $28 000 | – | |

Information correct at July 2015. Deakin University reserves the right to alter, amend or delete course offerings and other information listed.

* Fees quoted are for Australian domestic students and are based on a typical enrolment in one year of full-time study. They should be used as a guide only and are subject to change. Fee-Paying Place (FPP): 2016 annual course fees for FPPs are set, as shown in the FPP column. These are based on an annual full-time study load, regardless of your unit selection. Commonwealth Supported Place (CSP): The CSP rates shown in the CSP column are indicative 2015 annual course fees. CSP fees are indicative because they are calculated based on your unit selection. 2016 indicative CSP course fees will be available in late 2015 pending the outcome of the Commonwealth Government's proposed fee deregulation and reforms – please visit **deakin.edu.au/fees** for the most up-to-date information.

^ Most courses start in Trimester 1 (March to June). This column indicates whether you have the option of commencing your studies in Trimester 2 (July to October) or Trimester 3 (November to February). Not all units are offered in every trimester.

\# Course lengths may vary in response to requirements within the Australian Qualifications Framework. Applicants should refer to the handbook for the latest information, **deakin.edu.au/handbook**.

~ IELTS is the International English Language Testing System. The IELTS scores in the table above reflect the minimum overall score required as well as the lowest score allowed for any band (overall score/lowest band score).

¥ Specialisations are not available at all campuses. Please visit **deakin.edu.au/study-at-deakin/find-a-course/science** for further information.

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See also:

**deakin.edu.au/study-at-deakin/find-a-course/engineering**

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## Further reading

Download our range of study area booklets and course guides at **deakin.edu.au/course-guides**.

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For information on upcoming events and activities please visit **deakin.edu.au/deakin-events**

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