

Design



3D animation design

Architecture

Civil engineering

Creative technologies

Digital technologies design

Electrical and
electronics engineering

Mechanical engineering

Mechatronics engineering

Visual communication
design

Harness your ideas to create a brighter future

Shape cutting-edge concepts, adapt to industry trends and access the very latest technology at Deakin. Our design courses offer sought-after industry links and a chance to develop your practical skills to give you a competitive edge in a future-focused career.

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Your future in design

Strong industry links to get you ahead

Design degrees at Deakin are informed by industry leaders across the world. We're active members of the Design Institute of Australia (DIA) and the International Council of Design (Ico-D) and support the Australian Graphic Design Association (AGDA). Our design degrees are formally recognised by the DIA and meet industry standards, so that you stand out to employers when you graduate.

Our engineering degrees are developed in collaboration with Engineers Australia. This long-standing partnership ensures that our curriculum's relevant and you develop skills that employers are looking for.

Our engineering industry connections extend beyond course design to include student placements, projects and our industry advisory group which includes members from:

- Air Radiators
- AusNet Services
- Barwon Water
- Ford
- ISCAR
- Norman Disney & Young
- SEW-EURODRIVE
- Thales.

Deakin's architecture qualifications are recognised nationally by industry through course accreditations and are regularly examined by key professional groups such as the Australian Institute of Architects (AIA), Architects Accreditation Council of Australia (AACA) and Architects Registration Board of Victoria (ARBV). Our Bachelor of Design (Architecture) and Master of Architecture are also recognised internationally, for example, by the Board of Architects Malaysia. Through these courses, you'll also have an opportunity to undertake a discipline-specific industry placement, so you can get on-the-job training.

#1 Victorian university for student satisfaction

Year on year, our students are the most satisfied students of all Victorian universities.¹ We've ranked this highly for the past 10 years, with students being particularly happy with our:

- teaching
- learning resources
- student support
- skills development
- learner engagement.

¹ Australian Graduate Survey 2010–2015, Graduate Outcomes Survey 2016–2019 (GOS), Quality Indicators for Learning and Teaching (QILT).



Your future in design

Get hands-on in state-of-the-art facilities

Learn in purpose-built design facilities across all of our campuses to enhance your knowledge and gain practical skills to prepare you for work once you graduate. Enjoy extensive access to cutting-edge equipment in dedicated design, engineering and architecture studios, with a focus on design and innovative approaches to learning.

World-class engineering training precinct

Access some of the best engineering facilities in Australia to create your designs through combinations of computer simulation, prototyping, testing and manufacturing.

a+b studio

The a+b studio and workshop provide students, academics and researchers with a place to design and build models, encouraging experimentation with technology, materials and processes. The workshop is fully equipped with 3D printers, laser cutters, CNC routers and traditional tools and machinery. The interdisciplinary space offers access to a variety of digital and analogue tools, with an open-plan studio design facilitating project collaboration.

Phoenix Gallery at the Melbourne Burwood Campus

Showcase your talents through mixed-media and pop-up installations.

Dedicated workspaces

Develop your skills in customised design facilities using industry-standard equipment. You'll have access to:

- dedicated design studios
- iMac computer labs with the full suite of Adobe software tools and modelling, animation and video editing software
- flatbed scanning, print trimming and finishing facilities
- virtual reality and augmented reality hardware
- digital photography printing and editing facilities
- photographic darkroom and creative media labs.

The Project Space at the Geelong Waterfront Campus

Exhibit your work at our contemporary and experimental gallery space.

Gain the skills that employers value

From your first year, you'll gain practical, hands-on design experience. In architecture you'll:

- build models
- explore urban ecologies
- examine professional architects' projects
- develop drawing, digital design and communication skills.

As a design student, you'll collaborate with students across other disciplines to encourage innovation and graduate as a well-rounded creative practitioner. Project-oriented design-based learning (PODBL) in collaboration with industry is a key feature of our engineering degrees, helping you to learn through real-world projects throughout the duration of your course.

Learn from leaders in their field

Be inspired, encouraged and supported through every stage of your studies. Our academic staff are experienced industry professionals who are enthusiastic about sharing their skills and knowledge and offering you valuable industry insights.

Gain international experience

Get a head start in your career while gaining credit towards your degree with a work-integrated learning experience.¹ You could take up an internship to add to your portfolio while gaining valuable industry contacts and experience. For example, design students (3D animation, digital technologies and visual communication) have the opportunity to travel to Asia for a team internship and explore unique cultures and emerging creative practices. In 2020, our design students participated in a virtual study tour of Japan exploring sites and galleries through 360-degree virtual experiences, participating in Japanese classes from the comfort of their own home.

You can also see the world with an international study tour, volunteer placement or exchange at one of Deakin's partner universities, in more than 40 countries.¹

¹ To be confirmed in 2022 and beyond, subject to government restrictions.

Disciplines

Your dream course starts here. Take a look through our disciplines (also known as study areas) to choose your area of expertise. Knowing which discipline you're interested in helps career advisers find the best course for you. Corresponding courses are featured in the following pages, so you can learn more about what you'll study, work experience opportunities and the types of careers you could pursue. When you choose a course, you can then pick which discipline to specialise in within that course. Visit deakin.edu.au for detailed discipline and course information, including a description of the units within each degree.

3D animation design

Prepare for a multidisciplinary design career as you discover how motion design can be used as an engaging communication platform and a method for transformative social change. You'll explore a variety of platforms including augmented reality and virtual reality, film, television, advertising, web, motion capture, motion graphics and game design.

Architecture

Explore the design of our physical environments, from residential and cultural through to commercial and industrial. You'll study real-world projects to develop your ability to generate, analyse, and communicate innovative ideas.

Civil engineering

Learn to design, build and manage the construction of our cities and supporting civil infrastructure. Become a design-driven, innovative and entrepreneurial engineer with skills to succeed in a rapidly changing, ever-evolving industry.

Creative technologies

Use your creative and technical skills to explore interactive media design, game design, robotics systems and creative technologies production. Enhance your ability to design and build the innovative computing products that will help meet 21st century needs.

Digital technologies design

Digital technologies have become an integral part of our everyday lives. Combine strong foundations in design thinking and strategies with the technical skills required to delve into software design, user interface design and design for augmented and virtual realities.

Electrical and electronics engineering

Study renewable electrical power generation, smart distribution and power usage, and the role of energy production in climate change. With such a cross-range of knowledge, you'll be a highly employable graduate capable of taking on diverse roles.

Mechanical engineering

Qualify yourself to get involved in the design of almost any mechanical system imaginable, including complex systems like cars, robots and airplanes. As a mechanical engineering graduate, you'll be in global demand for your set of skills.

Mechatronics engineering

Robots won't be the only thing you build when you study mechatronics with us. Learn how to integrate electronic devices with mechanical design and IT to deliver innovative solutions as diverse as anti-lock brakes, self-driving cars and even artificial hearts.

Visual communication design

Learn the tools, strategies and design-thinking methodologies needed to be an adaptable, multidisciplinary communication designer. Shape your ideas into practical and attractive propositions for users, customers and society as a whole.

Skills to get you a job

Gain a competitive edge in the workplace with real-world expertise and practical skills. Deakin is ranked Victoria's top university for skills development and teaching quality.¹

¹ 2019 Student Experience Survey, UA benchmark group Victorian universities.

Courses

Deakin code	5342	Cloud (online)	C
ATAR	70.00	Melbourne Burwood Campus	B
Course duration in years	3	Geelong Waterfront Campus	WF
Trimester	T	Geelong Waurn Ponds Campus	WP
		Warrnambool Campus	WB

Bachelor of Design (3D Animation) A343 B RC 3 T1, T2, T3¹

Let your imagination run free and create the unexpected with the Bachelor of Design (3D Animation) at Deakin. Explore how animation is used across film, television, advertising, web, motion-capture and game design – and learn to draw or digitally create characters that leap off the page. During your degree, you'll learn the tools, strategies and design methodologies required to develop your creative, technical and analytical skills in 3D animation production.

Professional recognition

Deakin's Bachelor of Design (3D Animation) is recognised by the Design Institute of Australia (DIA), so you'll be up-to-date with the current industry practices and developments. The DIA also offers student membership and access to some of the top design events and experts in the nation.

Careers

As a graduate, you'll be a well-equipped multidisciplinary designer ready to work in motion design, animation, film, television, web design, augmented reality (AR) and virtual reality (VR). Roles include:

- 2D or 3D animator
- AR designer
- arts editor
- cartoonist
- digital designer
- game developer
- illustrator
- modeller
- motion capture technician
- motion graphics designer
- multimedia developer
- VR designer.

Course structure^{2,3,4}

This 24-credit-point course consists of 19 credit points of core units, two credit points of course elective units and three credit points of open elective units.

	Trimester 1	Trimester 2
Year 1	Design Thinking Design Skills and Technologies 1 Designing 3D Environments Course elective	Principles of Animation Design Skills and Technologies 2 Designing 3D Motion Course elective
Year 2	Creating 3D Characters Animation, Performance and Capture Interactive Animation Design Studio Open elective	Professional Practice in Design Design Laboratory Motion Graphics for Film and Advertising Animation Project
Year 3	Design to Change the World Creative Design Studio (2 credit points) Elective	Collaborative Design Project (2 credit points) Individual Design Portfolio Elective

deakin.edu.au/course/bachelor-design-3d-animation

- 1 Students who are applying to commence in Trimester 3 under a pathway agreement and/or with Recognition of Prior Learning may not reduce course duration. Students should seek advice before applying for this intake.
- 2 This course structure should be used as a guide only and advice should be sought when selecting units.
- 3 Academic Integrity (AAI018) is a compulsory 0-credit-point unit that you are required to undertake as part of this course.
- 4 Students should consult the current handbook to access a comprehensive list of course rules.

RC means admission is based on a range of criteria.



'Deakin's staff are what make the university as a whole so special, memorable and impactful. Not only did I create meaningful relationships with the staff, but they helped and still do help connect me to the industry.'

Caleb Lun
Bachelor of Design (Visual Communication) graduate

Bachelor of Design (Digital Technologies) A344 B RC 3 T1, T2, T3

Creative problem-solvers with a love of design and an aptitude for technical IT should explore our Bachelor of Design (Digital Technologies). Learn about User Experience (UX), design strategies, digital technologies and interactive media, to deliver impactful digital solutions in our changing world.

Professional recognition

Deakin's Bachelor of Design (Digital Technologies) is recognised by the Design Institute of Australia (DIA), so you'll be up-to-date with the current industry practices and developments. The DIA also offers student membership and access to some of the top design events and experts in the nation.

Careers

Graduates are open to many career opportunities in creative agencies, advertising and design studios and corporate companies, taking up roles as:

- design engineers
- digital designers
- digital media designers
- graphic designers
- industrial designers
- User Interface (UI) designers
- virtual reality experience designers
- web designers.



Industry partnerships

Deakin's design leaders maintain close links with industry and develop meaningful partnerships benefiting both staff and students. Our partnership with the Geelong Arts Centre has provided design students the opportunity to exhibit work, participate in programming and gain valuable industry experience.

Course structure^{1,2,3}

This 24-credit-point course consists of 17 credit points of core units, two credit points of course electives and five credit points of open electives.

	Trimester 1	Trimester 2
Year 1	Design Thinking Design Skills and Technologies 1 Exploring I.T. Course elective	Design Skills and Technologies 2 Introduction to Responsive Web Apps Course elective Elective
Year 2	Designing User Experience Elective x 3	Professional Practice in Design Design Laboratory Digital Technologies Design Studio Authoring of Interactive Media
Year 3	Design to Change the World Creative Design Studio (2 credit points) Elective	Collaborative Design Project (2 credit points) Enterprise, Entrepreneurship and innovation Individual Design Portfolio

deakin.edu.au/course/bachelor-design-digital-technologies

- 1 This course structure should be used as a guide only and advice should be sought when selecting units.
- 2 Academic Integrity (AAI018) is a compulsory 0-credit-point unit that you are required to undertake as part of this course.
- 3 Students should consult the current handbook to access a comprehensive list of course rules.

RC means admission is based on a range of criteria.

Cross-disciplinary learning

Deakin's design degrees give you the opportunity to collaborate with students across all design and creative arts disciplines. Students are encouraged to explore complementary skills to maximise career options, including specialist electives in design, visual arts, photography, media, digital technology, advertising, and marketing. This encourages innovation and ensures you graduate ready for a career as a well-rounded creative practitioner.

Connect with industry as you work on professional client projects using the latest technologies.

Courses

Deakin code	S342	Cloud (online)	C
ATAR	70.00	Melbourne Burwood Campus	B
Course duration in years	3	Geelong Waterfront Campus	WF
Trimester	T	Geelong Waurn Ponds Campus	WP
		Warrnambool Campus	WB

Bachelor of Design (Visual Communication)

A345 **B** **RC** **WF** **RC** **3** T1, T2, T3¹

Enter the dynamic world of professional design with Deakin's Bachelor of Design (Visual Communication). Learn the tools, strategies and design thinking methodologies required to be an adaptive, multidisciplinary communications designer. From day one you'll learn to shape your ideas into smart and influential concepts under the guidance of industry leaders and established designers.

Careers

Graduates are open to many career opportunities, including in the areas of advertising, graphic design studios, print houses, publishers, corporate companies, government and private practices. Potential careers include:

- animation and motion designer
- art director/creative director
- communications designer
- graphic designer
- illustrator
- interactive designer
- packaging (FMCG) designer
- web designer.

Professional recognition

Deakin's Bachelor of Design (Visual Communication) is recognised by the Design Institute of Australia (DIA), so you'll be up-to-date with the current industry practices and developments. The DIA also offers student membership and access to some of the top design events and experts in the nation.

Course structure^{2,3}

This 24-credit-point course consists of 17 credit points of core units, two credit points of course elective units, and five credit points of open elective units.

	Trimester 1	Trimester 2
Year 1	Design Thinking Design Skills and Technologies 1 Course elective Elective	Design Skills and Technologies 2 Drawing and Illustration Typography and Publication Design Course elective
Year 2	Professional Practice in Design Web Design and Interactivity Branding Design Designing User Experience	Design Laboratory Iconography and Type Elective x 2
Year 3	Design to Change the World Creative Design Studio (2 credit points) Elective	Collaborative Design Project (2 credit points) Individual Design Portfolio Elective

deakin.edu.au/course/bachelor-design-visual-communication

- ¹ Melbourne Burwood Campus only.
 - ² This course structure should be used as a guide only and advice should be sought when selecting units.
 - ³ Academic Integrity (AAI018) is a compulsory 0-credit-point unit that you are required to undertake as part of this course.
- RC means admission is based on a range of criteria.



Work with real clients on a collaborative project

Final-year design students experience the industry before they graduate through real-world learning. Coming together in a collaborative cross-discipline project, students work with not-for-profit clients to deliver on real briefs and, in some cases, assist with brand development, which culminates in a final exhibition of work.

Bachelor of Design (Architecture)

S342 **WF** **71.10** **3** T1, T2

When you choose to study Deakin's Bachelor of Design (Architecture) you choose a path of discovery, exploring the creative possibilities of architectural design and its potential to make a positive impact on the built environment. Discover architectural ideas through cutting-edge content, develop your creativity and gain a practical understanding of the built environment and its relationship with the community through meaningful and sustainable design, from houses to high-rise projects.

Professional recognition

When followed by successful completion of an accredited Master of Architecture, the Bachelor of Design (Architecture) is accredited within Australia by the:

- Architects Accreditation Council of Australia (AACA)
- Architects Registration Board of Victoria (ARBV)
- Australian Institute of Architects (AIA).

This course has also been validated and recognised by the Board of Architects Malaysia (Lembaga Arkitek Malaysia), and included on their 'List of Recognised Architectural Programmes'.

Careers

Deakin architecture graduates work across the globe, from the UK, Berlin and Oslo to China, Dubai and the US. Our graduates have pursued the following roles:

- 3D architectural modeller
- architectural consultant or designer
- building designer
- building project manager
- design coordinator
- quantity surveyor
- structural drafter.

Once you've completed further studies in a Master of Architecture and have gained your registration to practise, you can pursue a career as a practising architect and work in private architectural practices, government organisations, property development, or other building and design fields. deakin.edu.au/course/master-architecture

Work experience

You can apply to undertake a discipline-specific industry placement as an elective option of your course. deakin.edu.au/sebe/wil

Students have access to our fully equipped workshop with 3D printers, laser cutters, CNC routers and traditional tools and machinery to bring your architectural ideas to life.



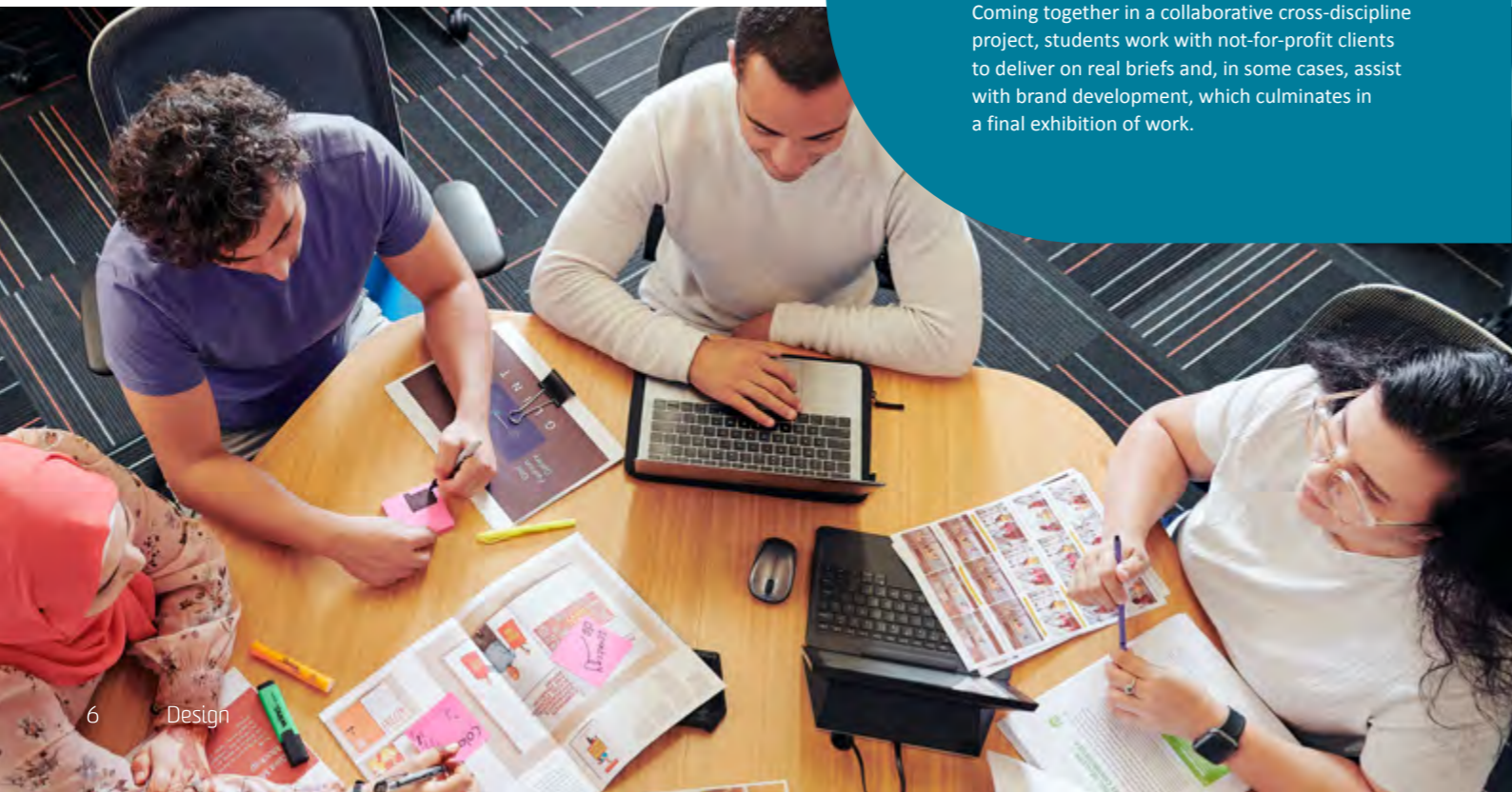
Course structure^{1,2}

This 24-credit-point course consists of 19 core units (22 credit points) and two elective units.

	Trimester 1	Trimester 2
Year 1	Art and Society Architecture Communication 01: Drawing Architecture Design Studio 01: Thoughtscapes Building Materials Science	Architecture Communication 02: Modelling Architecture Design Studio 02: Matterscapes (2 credit points) Construction and Structures 1
Year 2	Utopian Ideals in the Modern World Architecture Design Studio 03: Earthscapes Construction and Structures 2 Elective	Austral-Asian Architecture Architecture Design Studio 04: Publicscapes (2 credit points) Building Environmental Studies
Year 3	Architecture Communication 03: Documentation Architecture Design Studio 05: Hybridscapes Building Environmental Services Contemporary Architecture	Architecture Design Studio 06: Superstudio (2 credit points) Construction and Structures 3 Elective

deakin.edu.au/course/bachelor-design-architecture

- ¹ This course structure should be used as a guide only and advice should be sought when selecting units.
- ² Academic Integrity (STP050) and Safety Induction Program (SRA010) are compulsory 0-credit-point units that you are required to undertake as part of this course.



Combined course

Bachelor of Design (Architecture)/Bachelor of Construction Management (Honours) **D364** **WF** **79.10** **5**¹ **T1, T2**

Deakin's Bachelor of Design (Architecture)/Bachelor of Construction Management (Honours) is a unique course that combines studies in key aspects of the built environment. Explore architectural ideas and design approaches at the same time as learning how to manage construction projects, no matter their scale or scope. Gain in-depth knowledge and skills in architecture, design, construction and project management, while exploring your options for a diverse career in the built environment industry.

Professional recognition

The construction management stream of this combined course is professionally accredited by industry. Graduates qualify for membership of:

- Australian Institute of Building (AIB)
- Australian Institute of Quantity Surveyors (AIQS)
- Chartered Institute of Building (CIOB)
- Royal Institution of Chartered Surveyors (RICS).

The architecture stream is recognised in Australia by the following organisations, provided graduates go on to complete an accredited Master of Architecture course:

- Architects Accreditation Council of Australia (AACA)
- Architects Registration Board of Victoria (ARBV)
- Australian Institute of Architects (AIA).

When this combined course is followed with the Master of Architecture, students will have successfully completed an accredited academic qualification and be on their way to becoming a registered architect.

Careers

This cross-discipline course gives you more options for your future career. Career opportunities include:

- 3D architectural modeller
- building designer
- building project manager
- construction manager
- contract administrator
- drafts person
- estimator
- quantity surveyor.

Upon graduating, if you would like to pursue a career as a practising architect, you will need to complete an accredited Master of Architecture course. Once you have completed further studies and have gained your registration to practise, you can work in private architectural practices, government organisations, property development, or building and design fields. deakin.edu.au/course/master-architecture

Course structure^{2,3}

This 40-credit-point course consists of 36 core units (totalling 39 credit points) and one elective unit.

	Trimester 1	Trimester 2
Year 1	Building Materials Science Art and Society Architecture Design Studio 01: Thoughtscapes Architecture Communication 01: Drawing	Construction and Structures 1 Architecture Communication 02: Modelling Architecture Design Studio 02: Matterscapes (2 credit points)
Year 2	Construction and Structures 2 Utopian Ideals in the Modern World Construction Finance Building Safety	Building Environmental Studies Construction Projects 2 Building Economics Elective
Year 3	Architecture Design Studio 03: Earthscapes Building Measurement Contract Administration 1 Project Management 1	Construction and Structures 3 Building Cost Planning Architecture Design Studio 04: Publicscapes (2 credit points)
Year 4	Architecture Communication 03: Documentation Building Measurement and Estimating Contemporary Architecture Project Management 2	Contract Administration 2 Quantity Surveying Practice Project Planning and Scheduling Project Management 3
Year 5	Building Environmental Services Architecture Design Studio 05: Hybridsapes Contract Administration 3 Professional Practice	Architecture Design Studio 06: Superstudio (2 credit points) Built Environment Integrated Research Building Development Appraisal

deakin.edu.au/course/design-architecture-construction-mgmt-hon

- 1 Students have the opportunity to complete this course in four years of full-time study by undertaking units in Trimester 3.
- 2 This course structure should be used as a guide only and advice should be sought when selecting units.
- 3 Academic Integrity (STP050) and Safety Induction Program (SRA010) are compulsory 0-credit-point units that you are required to undertake as part of this course.

Get to Geelong easily

If you're based in Melbourne, the commute to the Geelong Waterfront Campus is quick and easy. From Docklands, a daily ferry takes 90 minutes, or by regional rail link from Southern Cross station, you'll be there in under an hour. If you're driving from Melbourne's west, you might find your commute's only an hour.

Find out more about our locations at deakin.edu.au/locations and our accommodation options by visiting deakin.edu.au/accommodation.

A pathway to success

Each year, thousands of students choose to take a pathway to get into Deakin, just like architecture graduate, Sharyn Blakemore (pictured right). After graduating from high school, she completed an Advanced Diploma of Building Design, and then worked in the industry before completing Deakin's Bachelor of Design (Architecture) part time. Sharyn won a coveted industry award in recognition of her passion for building services engineering.

What industry experience did you have before university?

'I've worked as a building designer for the past seven years, and architecture was always the capstone of the career path I wanted to take. My path may not have been the most straightforward, but learning and working within the industry to confirm this was my true passion, before taking this next step, was right for me.'

What was it about building services engineering that captured your attention?

'Building Services Engineering was part of my course, and I really connected with it. The idea of designing a space, a home or a building that is comfortable, thermally efficient and meets the needs of its occupants is very appealing to me. Incorporating safe, efficient and healthy environments into the design should be a priority for all designers, architects and engineers.'

The student experience

Hear what students have to say about studying architecture and construction management by visiting deakin.yt/study-acm.



You won the Chartered Institution of Building Services Engineers (CIBSE) Mark Griffin Award – Student of the Year for your video submission, addressing why you consider building services engineering to be an art form. Tell us a bit about the Core 9 project, which featured in your video.

'The Core 9 project started as a design collaboration between myself and two work colleagues to produce a highly energy-efficient and sustainable design that was affordable and comparable to the Australian housing market.

The Core acronym stands for Carbon Positive, Zero Waste, Recycled and Economics. My involvement included design development of the house and conducting thermal performance assessments to reach its optimal energy rating of nine stars.'



'Being the only degree of its kind in Australia attracted me to choosing this course. It will open up so many possibilities post study to progress my career.'

Benjamin McKenzie

Bachelor of Design (Architecture)/
Bachelor of Construction Management (Honours) student

Bachelor of Civil Engineering (Honours)

5460 **C**¹ **NP** **B**² **70.15** **WP** **68.15** **4** **T1, T2**

Graduate as an industry-ready civil engineer by studying Deakin's Bachelor of Civil Engineering (Honours). You'll combine contemporary theory with hands-on projects to develop the skills needed to confidently design, construct and maintain the built infrastructure systems that are vital in our day-to-day lives. You'll learn how to apply scientific and engineering principles to address complex problems and develop innovative solutions that are beneficial to organisations and the community.

Work experience

Through Professional Engineering Practice, you'll gain industry experience by completing a minimum of 30 to 60 days of practical work experience in an engineering workplace, developing and enhancing your understanding of the engineering profession, possible career outcomes, and the opportunity to establish valuable professional networks.

Professional recognition

This course is accredited by Engineers Australia, which gives graduates international recognition and the ability to practise as professional engineers in many countries around the world.



Careers

With the continuous growth in civil infrastructure construction and the associated demand for civil engineers, Deakin graduates are in demand both in Australia and further abroad.

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

- construction companies
- councils
- engineering consultancy firms
- government bodies
- mining industry
- public works departments
- road and transport authorities
- water authorities

and, also take a wide range of roles, including:

- geotechnical engineer
- infrastructure engineer
- railway engineer
- research engineer
- road engineer
- structural engineer
- transportation engineer
- water engineer.



'I always wanted to become a civil engineer. Looking at Deakin's course content, I realised that it's more industry-oriented and I thought that would provide a great entry into my dream job as a civil engineer.'

Raveena Ranepura Dewage
 Bachelor of Civil Engineering (Honours) graduate

Gain a scholarship to help fund your degree

Barwon Water Scholarship

If you're a Geelong campus-based student commencing an undergraduate degree in one of the following disciplines: engineering, commerce, finance, information technology, public relations, journalism or human resource management, we encourage you to apply for this scholarship. This scholarship is valued at \$2000 per year, with a total scholarship value of \$6000.

deakin.edu.au/barwon-water-scholarship

Barwon Water Scholarship for Women in STEM

Female students commencing their first year of study full time in a course offered by the Faculty of Science, Engineering and Built Environment at the Geelong Warrn Ponds Campus or Geelong Waterfront Campus, are encouraged to apply for a Barwon Water Scholarship for Women in STEM. This scholarship is valued at \$2000 per year, with a total scholarship value of \$6000.

deakin.edu.au/barwon-water-women-scholarship



Course structure^{3,4}

This 32-credit-point course consists of 31 credit points of core units and one elective unit.

	Trimester 1	Trimester 2
Year 1	Design Fundamentals (2 credit points) Applied Algebra and Statistics Engineering Physics	Materials Engineering Project (2 credit points) Introduction to Mathematical Modelling Programming for Engineers
Year 2	Geotechnical Investigation and Design (2 credit points) Engineering Modelling Fluid Mechanics	Structural Design (2 credit points) Stress and Failure Analysis Road and Pavement Engineering
Year 3	Water Engineering Design (2 credit points) Theory of Structures Hydrology and Hydraulics	Reinforced Concrete Design (2 credit points) Geotechnical Engineering Steel and Timber Structures
Year 4	Engineering Project A (2 credit points) Traffic and Transport Engineering Elective	Engineering Project B (2 credit points) Infrastructure Engineering Professional Engineering Practice

deakin.edu.au/course/bachelor-civil-engineering-honours

1 Cloud (online) students are required to participate in campus-based intensive activities each trimester at the Geelong Warrn Ponds Campus.
 2 Only the first year of engineering is available at the Melbourne Burwood Campus. Students undertaking first year at the Melbourne Burwood Campus are required to complete their course either at the Geelong Warrn Ponds Campus or via Cloud (online) learning.
 3 This course structure should be used as a guide only and advice should be sought when selecting units.
 4 Academic Integrity (STP050), Career Tools for Employability (STP010) and Introduction to Safety and Project Oriented Learning (SEJ010) are compulsory 0-credit-point units that you are required to undertake as part of this course.

NP means not published – less than five offers made to recent secondary education applicants.

Courses

Bachelor of Electrical and Electronics Engineering (Honours)

5461 C¹ NP B² NP WP 71.35 4 T1, T2

Gain practical, market-ready skills when you study Deakin's Bachelor of Electrical and Electronics Engineering (Honours). Explore renewables, alternative energy generation and the role of energy production in climate change, and get the hands-on experience and theoretical knowledge to tackle energy production challenges in a changing world. You'll have access to the very latest electrical and electronics engineering tools in world-class, multi-million-dollar facilities.

Work experience

Through Professional Engineering Practice, you'll gain industry experience by completing a minimum of 30 to 60 days of practical work experience in an engineering workplace, developing and enhancing your understanding of the engineering profession, possible career outcomes, and the opportunity to establish valuable professional networks.

Careers

Deakin's Bachelor of Electrical and Electronics Engineering (Honours) graduates may find employment across a range of roles, including:

- automotive electrician
- design engineer
- electrical design engineer
- electronic test engineer
- industrial engineer
- multimedia systems specialist
- PLC programmer
- power engineer
- research engineer
- renewable energy consultant
- robotics engineer and technician
- solar cell technician
- special effects technician
- telecommunications engineer.



Students will gain hands-on experience in our state-of-the-art engineering precinct with access to our Renewable and AusNet Electrical Engineering Lab and High Voltage (HV) Lab.

Course structure^{3,4}

This 32-credit-point course consists of 31 credit points of core units and one elective unit.

	Trimester 1	Trimester 2
Year 1	Design Fundamentals (2 credit points) Engineering Physics Applied Algebra and Statistics	Electrical Systems Engineering Project (2 credit points) Introduction to Mathematical Modelling Programming for Engineers
Year 2	Power Engineering Design (2 credit points) Engineering Modelling Analogue and Digital Electronics	Distributed Generation System Embedded System Design (2 credit points) Power Electronics
Year 3	Transmission and Distribution System Design (2 credit points) Systems and Signals Data Communication	Power System Protection Design and Safety (2 credit points) Electrical Machines and Drives Control Systems
Year 4	Engineering Project A (2 credit points) SCADA and PLC Elective	Engineering Project B (2 credit points) Power System Analysis Professional Engineering Practice

deakin.edu.au/course/bachelor-electrical-and-electronics-engineering-honours

Professional recognition

This course is accredited by Engineers Australia, which gives graduates international recognition and the ability to practise as professional engineers in many countries around the world.



Bachelor of Mechanical Engineering (Honours)

5462 C¹ NP B² 70.65 WP 71.55 4 T1, T2

Deakin's Bachelor of Mechanical Engineering (Honours) allows you to turn your passion into a rewarding career. Today, mechanical engineers lend their expertise to the development of almost every design imaginable. Not only will this internationally recognised program prepare you to be an industry-ready professional engineer, it'll give you the chance to get hands-on with advanced technologies in our multi-million-dollar engineering precinct.

Work experience

Through Professional Engineering Practice, you'll gain industry experience by completing a minimum of 30 to 60 days of practical work experience in an engineering workplace, developing and enhancing your understanding of the engineering profession, possible career outcomes, and the opportunity to establish valuable professional networks.

During the course you'll cover core mechanical disciplines including machine, structural and thermo-fluids design and industrial control, while developing professional skills in project management, communication, and teamwork. You will also have opportunities to test your mechanical design and engineering skills in challenges such as the World Solar Challenge and Warman Design and Build Competition.

Careers

With an international skills shortage in the engineering industry, and roles expected to rise significantly in the next five years, Deakin graduates are in demand both in Australia and further abroad. Not only that, employers seek out Deakin graduates for their forward-thinking, innovative and entrepreneurial qualities.

Graduate ready to transition into a number of areas and roles including:

- advanced manufacturing
- aerospace
- automotive
- biomedical
- consultant
- control and systems design
- defence
- field and test engineering
- mining
- product development
- railroad
- research and development
- textiles.

Deakin code 5342
 ATAR 70.00
 Course duration in years 3
 Trimester T
 Cloud (online) C
 Melbourne Burwood Campus B
 Geelong Waterfront Campus WF
 Geelong Warrn Ponds Campus WP
 Warrnambool Campus WB

Today, mechanical engineers lend their skills to the development of almost every design imaginable – especially complex products like cars, robots and aeroplanes.

Professional recognition

This course is accredited by Engineers Australia, which gives graduates international recognition and the ability to practise as professional engineers in many countries around the world.



Course structure^{3,4}

This 32-credit-point course consists of 31 credit points of core units and one elective unit.

	Trimester 1	Trimester 2
Year 1	Design Fundamentals (2 credit points) Engineering Physics Applied Algebra and Statistics	Materials Engineering Project (2 credit points) Introduction to Mathematical Modelling Programming for Engineers
Year 2	Machine Design (2 credit points) Fluid Mechanics Engineering Modelling	Structural Design (2 credit points) Stress and Failure Analysis Thermodynamics
Year 3	Thermo-Fluid System Design (2 credit points) Product Development Manufacturing	Industrial Control (2 credit points) Advanced Stress Analysis Dynamics of Machines
Year 4	Engineering Project A (2 credit points) Computational Fluid Dynamics Elective	Engineering Project B (2 credit points) Advanced Modelling and Simulation Professional Engineering Practice

deakin.edu.au/course/bachelor-mechanical-engineering-honours



'The learning environment at Deakin is very collaborative. Academic staff are always available for assistance and students work alongside one another.'

Jordan Ritchie

Bachelor of Mechanical Engineering (Honours) graduate

1 Cloud (online) students are required to participate in campus-based intensive activities each trimester at the Geelong Warrn Ponds Campus.
 2 Only the first year of engineering is available at the Melbourne Burwood Campus. Students undertaking first year at the Melbourne Burwood Campus are required to complete their course either at the Geelong Warrn Ponds Campus or via Cloud (online) learning.
 3 This course structure should be used as a guide only and advice should be sought when selecting units.
 4 Academic Integrity (STP050), Career Tools for Employability (STP010) and Introduction to Safety and Project Oriented Learning (SEJ010) are compulsory 0-credit-point units that you are required to undertake as part of this course.

NP means not published – less than five offers made to recent secondary education applicants.

Courses

Bachelor of Mechatronics Engineering (Honours)

S463 C¹ NP B² 77.30 WP 66.55 4 T1, T2

Deakin's Bachelor of Mechatronics Engineering (Honours) prepares you to be an industry-ready professional engineer, capable of creating the electronics, robots and autonomous systems that power our future. You'll learn how to design, program and integrate electronic devices with mechanical designs to deliver innovative solutions to real-world problems such as anti-lock brakes, self-driving cars and even artificial hearts.

Work experience

Through Professional Engineering Practice, you'll gain industry experience by completing a minimum of 30 to 60 days of practical work experience in an engineering workplace, developing and enhancing your understanding of the engineering profession, possible career outcomes, and the opportunity to establish valuable professional networks.

Careers

With an international skills shortage in the industry, and roles expected to rise significantly in the next five years, Deakin graduates are in demand both in Australia and further abroad.

Not only that, employers seek out Deakin graduates for their forward-thinking, innovative and entrepreneurial qualities.

Mix electrical, mechanical and robotics engineering into a single degree to secure your future career in a diverse range of industries developing the systems of the future.

As a mechatronics engineering graduate, you could be employed in the following roles:

- automation engineer
- biomedical service engineer
- control systems engineer
- electronics test engineer
- robot engineer.

Professional recognition

This course is accredited by Engineers Australia, which gives graduates international recognition and the ability to practise as professional engineers in many countries around the world.



Deakin code	S342	Cloud (online)	C
ATAR	70.00	Melbourne Burwood Campus	B
Course duration in years	3	Geelong Waterfront Campus	WF
Trimester	T	Geelong Waurn Ponds Campus	WP
		Warrnambool Campus	WB

Course structure^{3,4}

This 32-credit-point course consists of 30 credit points of core units and two elective units.

	Trimester 1	Trimester 2
Year 1	Design Fundamentals (2 credit points) Engineering Physics Applied Algebra and Statistics	Electrical Systems Engineering Project (2 credit points) Introduction to Mathematical Modelling Programming for Engineers
Year 2	Machine Design (2 credit points) Analogue and Digital Electronics Engineering Modelling	Embedded System Design (2 credit points) Programming and Visualisation Power Electronics
Year 3	Mechatronic Design (2 credit points) Artificial Intelligence for Autonomous Systems Data Communication	Electromechanical Systems Design (2 credit points) Control Systems Dynamics of Machines
Year 4	Engineering Project A (2 credit points) Elective x 2	Engineering Project B (2 credit points) Virtual and Augmented Interfaces Professional Engineering Practice

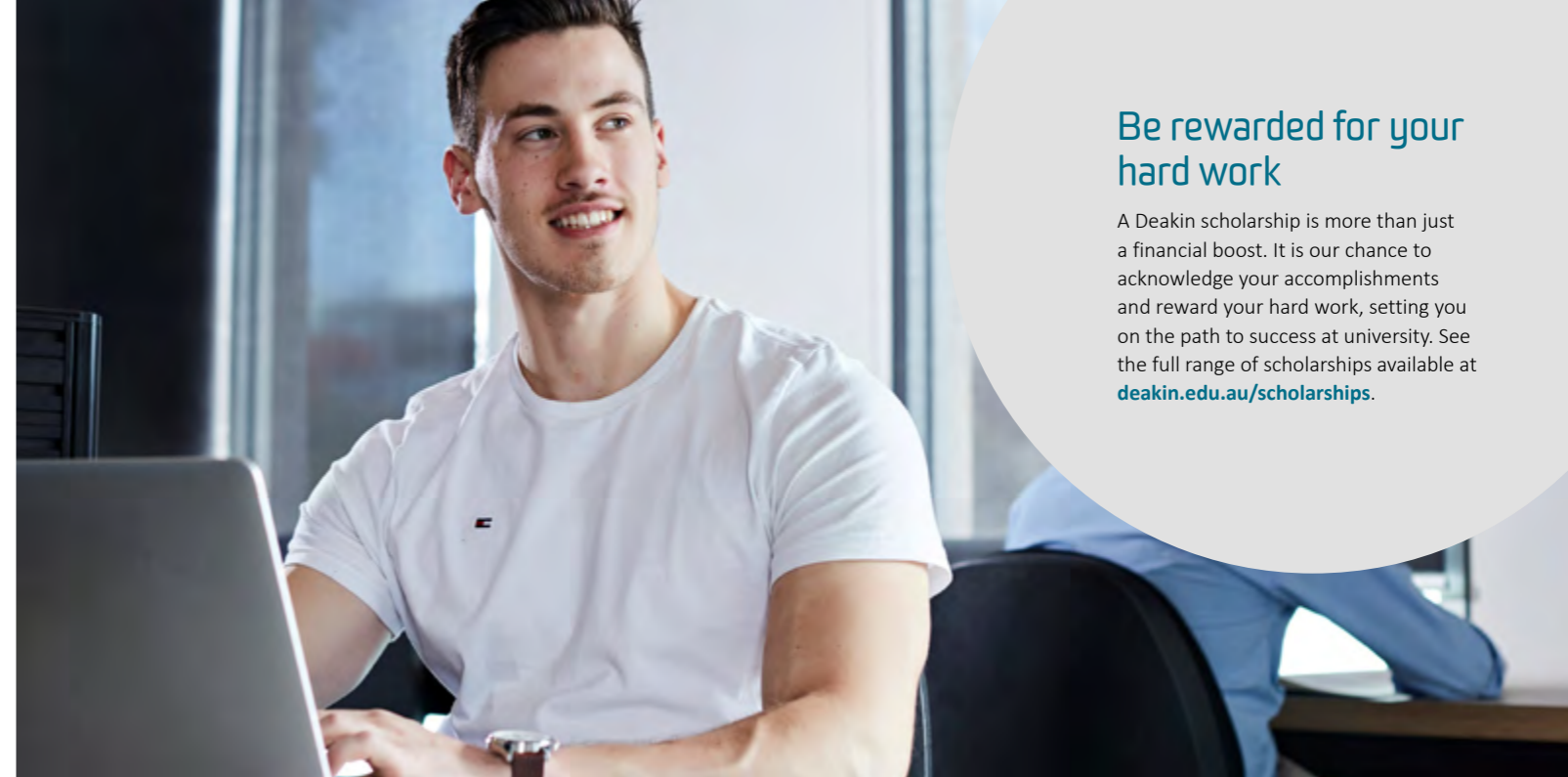
deakin.edu.au/course/bachelor-mechatronics-engineering-honours

- 1 Cloud (online) students are required to participate in campus-based intensive activities each trimester at the Geelong Waurn Ponds Campus.
- 2 Only the first year of engineering is available at the Melbourne Burwood Campus. Students undertaking first year at the Melbourne Burwood Campus are required to complete their course either at the Geelong Waurn Ponds Campus or via Cloud (online) learning.
- 3 This course structure should be used as a guide only and advice should be sought when selecting units.
- 4 Academic Integrity (STP050), Career Tools for Employability (STP010) and Introduction to Safety and Project Oriented Learning (SEJ010) are compulsory 0-credit-point units that you are required to undertake as part of this course.

NP means not published – less than five offers made to recent secondary education applicants.



In second year, students design a robot for potential entry into the Warman Design and Build Competition, a national competition organised by Engineers Australia.



Be rewarded for your hard work

A Deakin scholarship is more than just a financial boost. It is our chance to acknowledge your accomplishments and reward your hard work, setting you on the path to success at university. See the full range of scholarships available at deakin.edu.au/scholarships.

Course and entry requirements

Bachelor of Design (3D Animation)² | A343

Y12^{3,4} VCE units 3 and 4 – a study score of at least 20 in English other than EAL or 25 in English (EAL) and presentation of a portfolio of work to a satisfactory standard.

NY12^{4,5} As for Year 12 or equivalent, for further information refer to deakin.edu.au/course/A343

Campus and ATAR	Course duration	Trimester intakes	Tuition fee ¹
B RC	3	T1, T2, T3 ⁶	\$8022

Bachelor of Design (Architecture)⁷ | S342

Y12^{3,4} VCE units 3 and 4 – a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.

NY12^{4,5} As for Year 12 or equivalent, for further information refer to deakin.edu.au/course/S342

WF 71.10	3	T1, T2	\$8090
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Bachelor of Design (Digital Technologies)² | A344

Y12^{3,4} VCE units 3 and 4 – a study score of at least 20 in English other than EAL or 25 in English (EAL) and presentation of a portfolio of work to a satisfactory standard.

NY12^{4,5} As for Year 12 or equivalent, for further information refer to deakin.edu.au/course/A344

B RC	3	T1, T2, T3	\$8309
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Bachelor of Design (Visual Communication)² | A345

Y12^{3,4} VCE units 3 and 4 – a study score of at least 20 in English other than EAL or 25 in English (EAL) and presentation of a portfolio of work to a satisfactory standard.

NY12^{4,5} As for Year 12 or equivalent, for further information refer to deakin.edu.au/course/A345

B RC WF RC	3	T1, T2, T3 ⁸	\$9195
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Bachelor of Civil Engineering (Honours) | S460

Y12^{3,4} VCE units 3 and 4 – a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; and a study score of at least 20 in one of Maths: Mathematical Methods (any) or Maths: Specialist Mathematics.

NY12^{4,5} As for Year 12 or equivalent, for further information refer to deakin.edu.au/course/S460

C ⁹ NP B ¹⁰ 70.15 WP 68.15	4	T1, T2	\$7094
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Bachelor of Electrical and Electronics Engineering (Honours) | S461

Y12^{3,4} VCE units 3 and 4 – a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; and a study score of at least 20 in one of Maths: Mathematical Methods (any) or Maths: Specialist Mathematics.

NY12^{4,5} As for Year 12 or equivalent, for further information refer to deakin.edu.au/course/S461

C ⁹ NP B ¹⁰ NP WP 71.35	4	T1, T2	\$7156
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Cloud (online)	C
Melbourne Burwood Campus	B
Geelong Waterfront Campus	WF
Geelong Waurn Ponds Campus	WP
Warrnambool Campus	WB
Recent secondary education	Y12
Non-Year 12	NY12

Course and entry requirements

Bachelor of Mechanical Engineering (Honours) | S462

Y12^{3,4} VCE units 3 and 4 – a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; and a study score of at least 20 in one of Maths: Mathematical Methods (any) or Maths: Specialist Mathematics.

NY12^{4,5} As for Year 12 or equivalent, for further information refer to deakin.edu.au/course/S462

Campus and ATAR	Course duration	Trimester intakes	Tuition fee ¹
C ⁹ NP B ¹⁰ 70.65 WP 71.55	4	T1, T2	\$7138

Bachelor of Mechatronics Engineering (Honours) | S463

Y12^{3,4} VCE units 3 and 4 – a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; and a study score of at least 20 in one of Maths: Mathematical Methods (any) or Maths: Specialist Mathematics.

NY12^{4,5} As for Year 12 or equivalent, for further information refer to deakin.edu.au/course/S463

Campus and ATAR	Course duration	Trimester intakes	Tuition fee ¹
C ⁹ NP B ¹⁰ 77.30 WP 66.55	4	T1, T2	\$6936

Bachelor of Design (Architecture)/Bachelor of Construction Management (Honours) | D364

Y12^{3,4} VCE units 3 and 4 – a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.

NY12^{4,5} As for Year 12 or equivalent, for further information refer to deakin.edu.au/course/D364

Campus and ATAR	Course duration	Trimester intakes	Tuition fee ¹
WF 79.10	5 ¹¹	T1, T2	\$7950

- The 2021 indicative Commonwealth Supported Place (CSP) fee is based on a typical enrolment for domestic students enrolled in two trimesters of full-time study, or 8 credit points, unless otherwise indicated. This fee should be used as a guide only and is subject to change. The fees displayed do not reflect the entire cost of the course if it's completed over a number of years and does not include the Student Services and Amenities Fee or course-related equipment costs.
 - To be eligible for entry into this course, applicants must present a portfolio of work to a satisfactory standard.
 - Recent secondary education applicants include current Year 12 students in 2021, as well as Year 12 graduates from 2020 and 2019.
 - International student entry requirements can be found at: deakin.edu.au/international-students.
 - There are four categories under which non-Year 12 applicants may apply to Deakin:
 - applicants with higher education study
 - applicants with Vocational Education and Training (VET) study
 - applicants with work and life experience
 - applicants who completed Year 12 in 2018 or earlier.
 Visit deakin.edu.au/course and head to the course of interest to find out further details on admission requirements.
 - Students who are applying to commence in Trimester 3 under a pathway agreement and/or with Recognition of Prior Learning may not reduce course duration. Students should seek advice before applying for this intake.
 - Leads to professional recognition when followed by successful completion of the Master of Architecture.
 - Melbourne Burwood Campus only.
 - Cloud (online) students will be required to participate in campus-based intensive activities each trimester at the Geelong Waurin Ponds Campus.
 - Only the first year of engineering is available at the Melbourne Burwood Campus. Students undertaking first year at the Melbourne Burwood Campus are required to complete their course either at the Geelong Waurin Ponds Campus or via Cloud (online) learning.
 - Students have the opportunity to complete this course in four years of full-time study by undertaking units in Trimester 3.
- NP means not published – less than five offers made to recent secondary education applicants.
RC means admission is based on a range of criteria.

Stories of life at Deakin and beyond

Explore in-depth stories from students, staff and alumni across Arts and Education and read about their experiences of studying at Deakin, careers and more.

blogs.deakin.edu.au/deakinartsed

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¹ Australian Graduate Recruitment Industry Awards 2017, 2018, 2019 winner for most popular career service in Australia.

Cloud (online)	C
Melbourne Burwood Campus	B
Geelong Waterfront Campus	WF
Geelong Waurin Ponds Campus	WP
Warrnambool Campus	WB
Recent secondary education	Y12
Non-Year 12	NY12

this.

Inspiration for life, learning and career

Visit this.deakin.edu.au to uncover unique stories about Deakin and explore different perspectives on study, career and self-improvement.

Deakin understands that evidencing and articulating your capabilities is vital to gaining opportunities. Deakin Hallmarks are prestigious University awards that recognise students' outstanding achievements and capabilities that are key to employment success. After graduating, they offer students the opportunity to differentiate themselves to employers. To find out more visit deakin.edu.au/hallmarks, including how Hallmarks are awarded.



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Creativity



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Entrepreneurial thinking



Leadership

Contact us

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We have staff at each of our campuses who are more than happy to answer your general queries.

Prospective student enquiries

Domestic students

1800 693 888

myfuture@deakin.edu.au

International students

+61 3 9627 4877

study@deakin.edu.au

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To stay up to date with all course information sessions and events for prospective undergraduate students, visit deakin.edu.au/discover-deakin.

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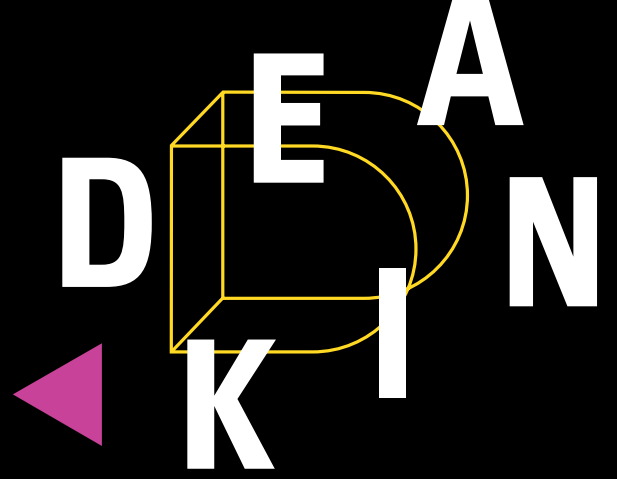
Other useful websites

vtac.edu.au

studyassist.gov.au

myfuture.edu.au

youthcentral.vic.gov.au



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Design

