

CAREER NEWS

Friday 12 May 2017



News from Deakin University

➤ **Arts & Education Workshop Month**

During the month of May, Deakin's Faculty of Arts and Education is holding several highly invaluable workshops designed specifically for Year 11 and 12 students.

Attend a workshop that aligns with your interests and discover where an Arts and Education degree at Deakin can take you. These include –

SESSION	DATE	TIME	CAMPUS
Education Information Session	18 May	5.30 – 6.30pm	B
	18 May	5.00 – 6.00pm	G
Communication and Creative Arts Folio Information Evening	24 May	5 – 7.00pm	B
	25 May	5 – 7.00pm	GW

G – Geelong Wairn Ponds

B – Burwood Melbourne

GW – Geelong Waterfront

Register to attend at [Arts & Education Workshops](#)

➤ **Deakin Inspire**

Deakin Inspire will unleash ideas to transform your way of thinking. Aimed at Year 10, 11 and 12 students, it's designed to empower you to reach your potential and inspire you with exciting ideas of how your future could look.

Deakin University invites students in Years 10 – 12 to participate in **Deakin Inspire** – a unique and *free* one-day event. There will be a range of guest speakers, and students will also get to participate in two workshops that will cover a range of topics and study areas, enabling students to interact with and learn from Deakin University academic staff.

Date: Tuesday 4 July 2017, 9.00am – 4.00pm

Venue: Melbourne Burwood Campus

OR

Date: Thursday 6 July 2017
Venue: Geelong Waurin Ponds Campus

Lunch and entertainment will also be provided. Registrations are open and students are encouraged to register soon at [DeakinInspire](#)



MONASH University

News from Monash University

Science Precinct Tours

July School Holidays



If you would like a closer look, this is a great chance to take a tour and visit our new science facilities and learning spaces, get a feel for campus life and have chat with some science students along the way.

The tours will be held in the July school holidays at 11.00 am – 12.00 pm on 4, 6, 11, 13 July 2017. Registration is essential.

These tours are very popular so registration is essential. We look forward to seeing you. To register please visit monash.edu/science/about/events

➤ **TAKE CONTROL OF YOUR FUTURE IN IT**

In Year 12 and would like to explore Monash IT?

Attend workshops on programming and network security, discovering the opportunities available in Monash IT, and tour the IT facility.
Business futurist Morris Miselowski will address future jobs in technology.
Hear from IT lecturers and alumni about courses and careers.

Open to: Year 12 students only

Date: 27 May at 10:00 am and 27 May 2 at 4:30 pm

Venue: Clayton Campus, Monash University

Cost: Free entry (Morning tea and Lunch provided)

Register: www.monash.edu/take-control-monash-it

➤ **Monash Art Design & Architecture (MADA)**

Monash Art Design & Architecture is a multi-award-winning community of artists, designers and architects working together to create a better future for individuals and communities around Australia and the world.

We are part of Monash University, the largest university in Australia, and among the most highly regarded in the world. Monash is a member of the prestigious Group of Eight universities in Australia.

Located at the Caulfield campus of Monash University, our vibrant community of students, academics, researchers and staff generates creative activity at the highest level and is at the forefront of education in the creative arts, architecture, and design disciplines.

As a student with us, you'll customise your studies from an incredible range of options – single degrees, double degrees and electives from across MADA and the rest of Monash – so you can become the creative professional you want to be. And as a Monash graduate, you'll have a strong sense of purpose, a global outlook, and the skills and confidence to make positive change to your own life, and to the lives of those around you.

MADA graduates have sense of purpose, a global outlook, and the skills and confidence to make positive change – to their own lives, and to the lives of those around them. As long as you have the drive to pursue, question and achieve, we'll help you get there.

SUBJECT AREAS: *Fine Art, Visual Arts, Art History & Curating, Communication Design, Industrial Design, Architecture, Interior Architecture, Research Degrees*

➤ **Changes to MADA Courses for 2018 Entry**

Students considering applying for some design courses for 2018 entry are advised to note the following important changes for selection:

1. The ***Bachelor of Architectural Design/Master of Architecture*** will no longer require a pre-selection activity for admission. The indicative ATAR for this course is 80+. No subject bonusing will be offered for entry.
2. The ***Bachelor of Interior Architecture (Honours)*** will no longer require a folio and interview for admission. The indicative ATAR for the course is 70+. Students may receive subject bonusing if they have studied the following subjects: Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts, or Visual Communication Design.

3. Other Design courses, such as the ***Bachelor of Communication Design*** and the ***Bachelor of Industrial Design*** will not require a folio and interview for admission. The indicative ATAR for these courses is 70+. Students may receive subject bonusing if they have studied the following subjects: Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts, or Visual Communication Design.
4. Within the Fine Art suite of courses: - The ***Bachelor of Art History and Curating*** requires an indicative ATAR of 80+; the ***Bachelor of Fine Art*** will continue to require a minimum ATAR of 70+ and a folio and interview for admission. The ***Bachelor of Visual Arts*** is only offered as a double degree and does not require a folio or interview for admission. Students may receive subject bonusing if they have studied the following subjects: Art, Product Design and Technology, Media, Interactive Digital Media C, Studio Arts, or Visual Communication Design. Students should check the ATAR of the double degree they may be interested in, as well as the prerequisites of the other degree.
5. For all MADA courses, English/EAL is the only prerequisite. As indicated above however, some double degrees may require extra prerequisites.
6. There will also be a new MADA postgraduate course for 2018, the Master of Urban Planning and Design.



News from the University of Melbourne

➤ **New Specialisations within the Bachelor of Fine Arts**

The Victorian College of the Arts (VCA) has announced the creation of two new specialisations within the **Bachelor of Fine Arts - *Acting*** and ***Theatre*** – effective from Semester 1, 2018. The two new specialisations will replace the current Theatre Practice option. Students of the new specialisations will have a common first year, devoted to developing performance, voice and movement skills then separate in second year to specialise in their respective areas.

The **'Acting' stream** focuses on developing the craft of an actor for stage and screen, and will hone the student's acting, voice, and movement skills throughout the three-year program. Students will act in a number of screen and stage-based performance works, and their training will culminate in an Actors Showcase in third year, to industry - [Fine Arts \(Acting\)](#)

The **'Theatre' specialisation** focuses on developing performance-makers. In their second year, students will develop a new work, which they will present in a national Fringe Festival, and in third year develop a second project in a travelling studio

across Australia or overseas. The final year concludes with students presenting their work at a Performing Arts Market to industry - [Fine Arts \(Theatre\)](#)

➤ **National Youth Science Forum (NYSF) 2018**

Applications for the **National Youth Science Forum (NYSF) 2018** Year 12 program are currently open! Students in Year 11 in 2017 who have a passion for science and technology are invited to apply for the National Youth Science Forum 2018 program for Year 12 students.

Attending the NYSF is an excellent way for young people to assess their level of interest in and commitment to further STEM study, and to start building networks for their future. Delivered in the 2018 January school holidays, the 12-day program offers laboratory visits and science tours, the chance to mix with like-minded students from all over Australia, and activities that develop a better understanding of the wide range of study and career options available to them through engaging with corporate and university partners. Applications close on 31 May 2017.

For more information visit [National Youth Science Forum \(NYSF\) 2018](#) or email: nysf@nysf.edu.au



Careers in the Army

The Army is more than just a dynamic place to work. You'll also love our unique culture of adventure, sports and friendships.

There is a wide range of jobs in the army including *aviation, logistics, trades, engineering and medical*, to name but a few!

Below are some useful links students might like to browse to learn more!

About the Army	Defence Jobs - About the Army
Army Life	Defence Jobs - Army Life
Training & Education	Defence Jobs - Training & Education
How to Join the Army	Defence Jobs - How to Join the Army
Women in the Army	Defence Jobs - Women in the Army
Jobs in the Army	Defence Jobs - Jobs in the Army
All other FAQs	Defence Jobs - FAQs about the Army

Studying Allied Health at Holmesglen Institute

- Holmesglen Institute is preparing its Allied Health students to be ready for employment in health care & social assistance – expected to be the largest employment sector into 2020 and beyond
- Many of the Allied Health programs offered by Holmesglen are taught at the [Moorabbin Campus](#)
- Holmesglen has invested over \$25 million the last few years in building world-class facilities at the Moorabbin Campus, including the [Health Science Building](#). This facility comprises of four large teaching wards, microbiology and bioscience laboratories, two simulation suites, a community apartment, an allied health laboratory, lecture theatres, general teaching spaces, a co-operative learning centre, computer laboratories and teaching and administrative staff offices. The facilities have state-of-the-art equipment, reflective of industry standards.
- Holmesglen offers a very broad range of courses at the Moorabbin Campus - [Courses](#)
- The [Faculty of Community and Health Sciences](#) offers courses at Moorabbin in:
 - * [Allied Health Assistance](#)
 - * [Community Service](#) (including courses in Disability, Mental Health, and Youth Work)
 - * [Nursing](#)
 - * [Pathology and Laboratory Technology](#)
- Of particular significance is the partnership Holmesglen has with St. Vincent's Private Hospital - [Holmesglen Partnership with St. Vincent's Private Hospital](#) and the benefit to Holmesglen students, who get brilliant placement opportunities.
- Another significant point of difference is that the *new* [Holmesglen Private Hospital](#) is actually located at the Holmesglen Institute's Moorabbin campus, and provides clinical practice as well as teaching and research for nursing and allied health students.
- Students interested in studying Aged Care or Individual Support, are encouraged to browse the following link - [Five tips to a Rewarding Career in Aged Care](#)





Engineering Degrees in Victorian Universities

Listed below are a number of engineering degrees offered at most universities in Victoria. Students should note that unless otherwise indicated * all engineering degrees require at the very least *English or EAL, and Maths: Mathematical Methods (CAS)*. Courses with an * also require *Chemistry or Physics*. For a comprehensive list of all courses, their prerequisites and double degrees on offer, visit [VTAC](#)

INSTITUTION	COURSE	MAJOR STUDIES	ATAR 2017
DEAKIN M – Melbourne G – Warrn Ponds	Civil	Civil engineering management, Computer-aided design (CAD), Construction, Engineering (civil), Engineering (fluid), Engineering design, Geotechnical engineering, Materials engineering, Structural engineering, Transportation, Water resources engineering.	72.60 (M) 67.50 (G)
	Electrical & Electronics	Circuits and electronics, Computer-aided design (CAD), Control systems, Data communications, Electrical and electronic engineering and technology, Electrical engineering, Electronic engineering, Energy efficiency and demand management, PLC and SCADA, Power system protection, Power systems, Renewable energy, Smart distributions and transmission systems, Smart grid.	74.10 (M) 66.50 (G)
	Mechanical	Computer-aided design (CAD), Control systems, Engineering (fluid), Engineering (mechanical), Materials engineering, Mechanical design, Systems design.	70.50 (M) 68.25 (G)
	Mechatronics	3D printing, Advanced manufacturing, Artificial intelligence, Circuits and electronics, Computer-aided design (CAD), Control systems, Data communications, Electrical and electronic engineering and technology, Electrical engineering, Electronic engineering, Engineering (mechanical), Engineering (mechatronic), Mechanical design, Mechatronics design, Robotics, Virtual and augmented reality.	n/a (M) 60.55 (G)
	Software	Algorithm design, Cloud-scale cyber-physical systems, Computer applications, Computer networks, Computer programming, Computer software, Cyber-physical computing, Cyber-physical security, Data analysis, Data capture technologies, Embedded systems programming, Engineering design, Mathematical modelling, Object-oriented development, Research methods, Robotic systems, Robotics application development, Sensor networks, Software development, Software engineering methodology, Software engineering practice, System design, System prototyping.	64.20 (M)
FEDERATION G – Gippsland B – Ballarat	Civil	Civil Engineering, Construction Management, Environmental Engineering, Geotechnical Engineering, Structural Engineering, Transport Engineering, Water Resources Engineering.	n/a (G) n/a (B)
	Mechanical	Automotive and Energy Efficiency, Design Engineering, Manufacturing Engineering, Mechanical Engineering, Mechanical and Industrial Engineering Technology, Mechanics, Robotics, Vibration and Machine Dynamics.	n/a (B)
	Mining	Drilling and Blasting, Mine Power and Services, Mine Ventilation, Mineral Deposit Evaluation and Processing, Mining Engineering, Rock Fragmentation, Rock Mechanics, Surface Mining Operations and Equipment, Underground Production Systems.	n/a (B)
LA TROBE M – Melbourne B – Bendigo	Civil	Civil engineering.	n/a (M) n/a (B)
	Engineering	Civil engineering, Construction, Engineering (Multidisciplinary), Engineering Enterprise, Engineering design, Engineering innovation, Geotechnical engineering, Hydraulics and hydrology, Industrial experience, Project management, Systems engineering.	60.15 (M) 62.30 (B)
MONASH Cl – Clayton	Aerospace *	Aerodynamics, Aeronautical, Aerospace Engineering, Avionics, Engineering.	91.45 (Cl)
	Engineering *	Aerospace engineering, Chemical engineering, Civil engineering, Electrical and computer systems engineering, Engineering, Environmental engineering, Geological engineering, Materials engineering, Mechanical engineering, Mechatronics engineering, Mining engineering, Oil and gas engineering, Renewable energy engineering, Software engineering.	91.00 (Cl)
	Software *	Engineering, Software engineering.	88.00 (Cl)
RMIT C – City C/B – City & Bundoora	Advanced Manufacturing & Mechatronics	Advanced manufacturing processes, Advanced robotics, Automatic control systems, Autonomous systems, Design for assembly and automation, Embedded systems, Engineering computing, Engineering mechanics, Manufacturing systems, Manufacturing systems modelling, Mechatronic design.	80.70 (C/B)
	Aerospace	Aerodynamics, Aerospace engineering, Aerospace maintenance, Aerospace science and spacecraft, Aircraft design, Aircraft systems, Aviation, Computer modelling, Mechanics (applied), Mechanics (flight), Mechanics (fluid), Mechanics (solids), Mechanics (structural).	92.30 (C/B)
	Automotive	Computer-aided engineering and design, Dynamics and control, Energy conservation and renewable energy, Engineering mathematics, Fluid mechanics, Industrial aerodynamics and computational fluid dynamics, Mechanics of machines, Mechatronics, Solid mechanics and materials, Thermodynamics, Vehicle handling and control, Vehicle noise and vibration, Vehicle power system and vehicle body design.	80.15 (C/B)
	Biomedical	Bioinformatics, Cell Biology, Chemistry, Circuit Theory, Electronics, Engineering biomechanics and biomaterials, Human physiology, Medical engineering and instrumentation, Physics, Programming, Signal processing.	90.45 (C)
	Chemical *	Chemical sciences, Environmental, Food science and biotechnology, Metallurgical, Petroleum, Rheology.	80.30 (C)
	Civil & Infrastructure	Civil engineering management, Computer modelling, Construction management, Engineering (civil), Engineering (environmental), Engineering (geoengineering), Engineering (structural analysis and design), Engineering (transport engineering), Irrigation and water management, Mechanics (structural), Project management, Risk analysis and management, Roads and road design, Software applications, Water quality management, Water resources engineering.	92.60 (C/B)
	Computer & Network	Computer and network security, Computer engineering, Computer networks, Embedded systems, Internet communications, Microprocessor, Microprocessor control systems, Mobile and cloud networks and computing, Multimedia engineering (audio), Multimedia engineering (image), Multimedia engineering (speech), Multimedia engineering (video signal processing), Network engineering, Network infrastructure design and performance, Network management, Signal and systems, Telecommunications (systems and networks), Wireless technologies.	n/a (C)
RMIT C – City	Electrical	Control systems, Electrical distribution, Electrical energy conversion, Electrical engineering, Electrical transmission, Industrial automation, Microprocessor control systems.	80.10 (C)

C/B – City & Bundoora	Electrical & Electronic	Circuits and electronics, Communication systems, Computer engineering, Computer networks, Control systems, Digital and analogue electronics, Electrical systems, Electronic systems, Photonics, Signal processing, Wireless technologies.	80.40 (C)
	Environmental	Chemical engineering, Civil engineering, Environmental analysis, Environmental engineering, Geology, Hydrogeology, Hydrology, Infrastructure management, Land contamination, Pollution control, Process engineering, Sustainability, Transport engineering, Urban systems, Waste water treatment, Water engineering, Water management.	80.25 (C/B)
	Mechanical	Computer-aided engineering and design, Dynamics and control, Energy conservation and renewable energy, Engineering and society, Engineering mathematics, Fluid mechanics, Industrial aerodynamics and computational fluid dynamics, Manufacturing, Mechanical design, Mechanics of machines, Mechatronics, Professional research project, Solid mechanics and materials, Thermodynamics.	85.10 (C/B)
	Sustainable Systems	Advanced life cycle and systems assessment, Chemistry fundamentals, Computer-aided design and engineering, Electrical energy systems, Intelligent transport systems, Manufacturing management, Mathematics, Professional research project, Renewable energy, Statistics, Sustainable energy systems, Sustainable engineering logistics systems, Sustainable transport systems, Systems engineering.	n/a (C/B)
	Software Engineering	Algorithms and data structures, Artificial intelligence, Computer architecture, Computer operating systems, Database systems, Industrial collaboration and experience, Networks and data communications, Object-oriented design, Object-oriented modelling, Object-oriented programming, Object-oriented software engineering, Operating systems, Problem solving, Programming, Programming (C), Programming (Java), Project management, Software development, Software engineering, Software engineering practices.	90.25 (C)
SWINBURNE H – Hawthorn * Professional Degree # Any maths required R.C. – Range of Criteria used for selection	Engineering	Biomedical engineering, Civil engineering, Construction engineering, Electrical and electronic engineering, Mechanical engineering, Product design engineering, Robotics and mechatronics, Software engineering, Telecommunications engineering.	75.10 (H) 85.35 (H) *
	Engineering Practice #	Traditional majors will not be offered. Instead, students can refine their interests through the selection of different team projects focused across four industry sectors: smart cities, Industry 4.0, Internet of Things and People, and products designed for people. http://www.swinburne.edu.au/study/course/bachelor-of-engineering-practice-honours	New in 2018 R.C. (H)
VICTORIA FP – Footscray Park # Engineering degrees at VU require <u>any</u> maths	Architectural #	Architecture, Building (design), Building (technology), Building law and building practice, Computer-aided design, Construction, Design, Engineering, Engineering (architectural), Engineering (electrical), Engineering (mechanical), Environment and sustainability, Environmental comfort and life safety design, Green building design, Management, Sustainable building design.	n/a (FP)
	Civil #	Computer-aided design, Construction, Construction management, Engineering (civil), Engineering (environmental), Engineering (structural analysis and design), Engineering (transport engineering), Geosciences, Hydraulics and hydrology, Land and water management, Management, Project management, Roads and road design, Sustainable development, Water resources engineering.	n/a (FP)
	Electrical & Electronic #	Digital and analogue electronics, Electrical engineering management, Engineering (communication), Engineering (computer systems), Engineering (computer), Engineering (electrical generation), Engineering (electrical), Engineering (electronics), Engineering design, Microelectronics, Microprocessors, Telecommunications.	n/a (FP)
	Electrical & Sports #	Actuators, Biomechanics, Biomechanics, Data analysis, Electrical and electronic engineering, Sensors, Software development, Wearable electronics.	n/a (FP)
	Mechanical #	Automotive design, Computer-aided design, Design (product development), Engineering, Engineering (manufacturing), Engineering (mechanical), Industrial engineering, Manufacturing management, Mechanical design, Mechanical engineering, Mechanics (fluid mechanics), Mechanics (solid mechanics), Production processes, Project management.	n/a (FP)



Irena Yevlahova

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