



Dates to Diarise in Term 2

- UMAT Test – Wednesday 26 July



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](#)

➤ DeakInspire

DeakInspire 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 **DeakInspire** – 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's academic staff.

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

Venue: Melbourne Burwood Campus

OR

Date: Thursday 6 July 2017

Venue: Geelong Wairn Ponds Campus

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

جامعة نيويورك أبوظبي

NYU | ABU DHABI **Presentation in Melbourne**

*NYU Abu Dhabi is a highly selective, four-year research university that is fully integrated into **New York University**. It offers NYU undergraduate degrees across 22 majors in the sciences, social sciences, engineering, humanities, and the arts. NYU Abu Dhabi is setting a new standard for higher education through a rigorous, innovative, research-based curriculum that has been redesigned for the needs and challenges of the 21st century - [New York University Abu Dhabi](#)*

Hosted by Melbourne Grammar School, Charles Hornstra the Senior Outreach Officer for NYUAD will be presenting to students, and their families, who are interested in studying overseas.

Date: Wednesday 17 May 2017
Time: 6.00pm – 7.00pm
Venue: Higgins Theatre in the Nigel Peck Centre for Learning and Leadership, Melbourne Grammar School, 47 Domain Road, Melbourne

Registrations are not required for this event.



News from Monash University

➤ **Monash Scholars Program**

The Monash Scholars Program is an engagement program for high achieving secondary school students in Years 10 -12. It aims to broaden and develop academic and life skills through interaction with Monash University.

Around 1200 students participate in the program every year, and Scholars are invited to a series of events that collectively achieve the following:

1. Enhanced learning
2. Exploring career ambitions
3. Defining personal aspirations
4. Building networks

Browse [Monash Scholars Program FAQs](#) for more information about the program.

Current Year 10 students from a [Monash Scholars school](#) can apply to the Monash Scholars Class of 2017 – 2019. Applications are now open, and close on Monday 29 May 2017. Log on to [Monash Scholars Program Application](#) and submit an application online. Part of the application requires students to have the school endorse your application, and the endorsement must be submitted by 29 May 2017.

➤ 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.

More information will be available as it comes to hand, so watch this space!



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!

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|---------------------------------|---|
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| 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 – Waurn 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) |

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|--|--------------------------------------|--|--------------------------|
| RMIT C – City C/B – City & Bundoora | Electrical | Control systems, Electrical distribution, Electrical energy conversion, Electrical engineering, Electrical transmission, Industrial automation, Microprocessor control systems. | 80.10 (C) |
| | 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) |