



Career News 2018 #12

CareerNews Key Dates & Reminders

Key Dates: For all Students – **'Inside Monash' Seminar Series**

Running until September.

For more info and to register visit:

<https://www.monash.edu/inside-monash>

Melbourne Polytechnic
VCE/VET Music Industry
Exam Prep Workshops (Performance &
Sound Production)

When: 31st August & 5th of September

For details and registration visit:

<https://docs.google.com/forms/d/e/1FAIpQLScssEpULWQ-1d8RETgXPuYLzeeCwOl7oKwGOPRO-7tf8g3U4Q/viewform>

Passion for Fashion?

Kangan Institute's Rags to Runway Great Southern Style show is on Tues 4th Sep. Call 1300 423 883 to register your interest.

Kangan Institute's September Open Nights

To express your interest in attending visit:

http://events.kangan.edu.au/open-nights-2018-sep?utm_campaign=KI-2018-Newsletter-SchoolsNewsletter-July&utm_medium=email&utm_source=Elouqua

Reminders: For all VCE Students – **Swinburne Advice Nights**

August is 'Year 12 Advice Month'.

Chat one-on-one with specialist staff and discover more about your ideal course, applying for uni and all about student life at Swinburne.

<https://www.swinburne.edu.au/choose/#events>

La Trobe University - VCE Plus Program

For those Year 11 students wishing to include two university subjects in your studies during Year 12. Please refer to the information on page 2 >

Open Days

University and TAFE Open Days have commenced! Be sure to attend these days to help you decide which institution best suits you. For remaining open days, refer to our 2018 Open Day table on page 4.

Key VTAC Dates: For all VCE Students –

Course, SEAS & scholarship applications have opened!

Timely applications close – Thurs 27th Sep

Late applications open – Thurs 27th Sep

Late applications close – Fri 2nd Nov

SEAS applications close – Fri 12th Oct

News & Updates

CASper Test for entry into Education

The CASPer test is an online tool designed to evaluate key personal and professional characteristics of all applicants applying for courses in Medicine, Veterinary Science and Education. It has been found that traditional evaluation methods (interviews, letters and references) have been ineffective. Whereas the CASper test provides a reliable measure of traits like professionalism, ethics, communication and empathy, reviewing characteristics that make for successful students and graduates. Comprising of 12 sections, each section contains either a video-based scenario or a word-based scenario (i.e. a statement to consider), followed by a series of 3 probing questions. There are technical (computer and internet) and security requirements and that you will need to follow, to ensure you complete the test correctly.

The universities that are using CASper for the 2019 admission cycle are; Australian Catholic University, Deakin University, Federation University, La Trobe University, Monash University, RMIT, Swinburne and Victoria University. If Education is on your list of preferences, please visit the CASper website to diarise your test date and read further on test preparation:

<https://takecasper.com/aboutcasper/>

Pathway's into Education

If you don't achieve the required ATAR to gain entry into your Education degree, remember you can consider the below Diploma's at RMIT and Victoria University. [RMIT - Diploma of Teacher Education Preparation](#)

This diploma provides a pathway into the Bachelor of Education with the opportunity for students to obtain credits in the RMIT Bachelor of Education (Early Childhood, Primary or Disability). Applications for this one is via VTAC.

[Victoria University Polytechnic - Diploma of Teacher Education Preparation \(22451VIC\)](#)

Upon completion of this course, students are qualified to work as education support workers and are also eligible for guaranteed entry into the following Vic Uni's undergraduate education courses:

- Bachelor of Early Childhood Education (with up to 24 credit points/2 units of study) or

- Bachelor of Education Studies (with up to 24 credit points/2 units of study)

Applications are to be made directly with Vic Uni, please visit:

<https://www.vu.edu.au/courses/diploma-of-teacher-education-preparation-22451vic>

La Trobe University Update

[La Trobe's Aspire Program](#)

Applications for Latrobe's Aspire Program are still open and will be closing on Friday the 31st of August. If you are currently preparing your application, please check that you have nominated an 'Aspire Contact' at your school

(a contact who receives all Aspire applications for endorsement). If you need to change your Aspire contact, please email aspire@latrobe.edu.au

[La Trobe's Scholarships Update](#)

Don't forget! La Trobe have a **Vice-Chancellor's Excellence Scholarship program** rewarding students for outstanding academic achievement. In 2019 La Trobe will be offering up to 60 scholarships to high-achieving Year 12 students. Those with a minimum ATAR of 80, who apply for an undergraduate course in the following areas will automatically be assessed (no need to apply):

- Arts, Social Sciences & Communications
- Business & Commerce
- Teaching & Education
- Health Sciences
- Information Technology & Engineering
- Law & Criminology
- Science & Psychology

To review your eligibility visit:

<https://www.latrobe.edu.au/scholarships/la-trobe-vice-chancellors-excellence-scholarship>

[VCE Plus Program](#)

Attention all current Year 11 Students! La Trobe offer a 'VCE Plus Program' allowing Year 12 VCE students to complete two first-year university subjects and have them recognised as part of their VCE. Applications for VCE Plus 2019 have just opened, so be sure to read more if you haven't already.

<https://www.latrobe.edu.au/study/vce-plus/about> To register your interest, you can do so online at:

<https://www.latrobe.edu.au/study/vce-plus/registration-form>

RMIT Update

[Elite Athlete Entrants Program](#)

Applications for the EAEP can be made on the RMIT website and must be received by Sunday 16 December 2018 for Semester 1, 2019. If you have any specific questions about the program you can email elite.athletes@rmit.edu.au

[Experience Surveying](#)

RMIT are hosting monthly hands-on opportunities for future students to find out about the growing field of Surveying. Interested students are welcome to register to attend these free events held once a month in Yarra Bend Park.

Next session is on Thursday 6th September at RMIT University Field Station, Yarra Bend Park - 201 Yarra Bend Road in Fairfield.

For more information, contact:

Thierry Demathieu (Program Manager) on 9925 8359 or

thierry.demathieu@rmit.edu.au

To register:

<https://www.eventbrite.com.au/e/experience-surveying-at-yarra-bend-park-2018-tickets-43375485244>

Swinburne Update

Have you not completed Further Math's which is required for your preferred course?

Swinburne offers 'Mathslink', a bridging program for students needing VCE Units 3 and 4 Further Mathematics to study at Swinburne. The course runs for 7 weeks online with some contact hours and the next intake is in January 2019. To enquire further visit:

<https://www.swinburne.edu.au/study/options/connect/email/>

Endota Wellness College for Beauty Therapy

The Endota Spa Group now have launched a Endota Wellness College (EWC) with campuses in Melbourne and Canberra. Offering nationally recognised training in Beauty Therapy - Retail Cosmetics, Remedial Massage, Business – Salon Management and Makeup – Screen and Media, there are full time and part time (including evening) options available.

Some of EWC's courses are partially government subsidised and VET student loans (Fee-Help) are available. To review the requirements and application process visit:

<http://endotawellnesscollege.edu.au/>

Federation University Update

Visual Arts folio presentations & Performing Arts auditions

Folio and interview applications are open for the Bachelor of Contemporary

Communication Design and Bachelor of Contemporary Visual Arts. Audition

applications are also open for the Bachelor of Contemporary Performance Practice.

Scholarships update

Fed Uni's School of Science, Engineering and Information Technology supports their

students with a range of scholarships valued up to \$12,000 including:

- Women in Information Technology/Engineering Scholarships
- Engineering
- Information Technology
- Geoscience
- Mathematics

There are also 'High Achievers' scholarships available for students who achieve an adjusted ATAR above 80.00.

To read more visit:

<https://federation.edu.au/schools/school-of-science-engineering-and-information-technology/student-resources/scholarships>

Chisholm Update

The first year of your degree could be free!

Chisholm's Diploma's in Accounting, Community Services and Nursing are all on the Government's 2019 'Free TAFE' list.

Some diplomas may lead into the La Trobe pathway degrees, this means that you can potentially receive the first year of your degree free by doing the diploma first. Many of Chisholm's diplomas attract credits from other universities also. You can contact Tania Pearce for more details.

tania.pearce@chisholm.edu.au

Quick links for Year 12 Students



Instructional YouTube links for VTAC applications:

<https://www.youtube.com/watch?v=omthlvllaJc>

<https://www.youtube.com/watch?v=2MRbS1Om4Oc>

Study score calculator (App):

<https://itunes.apple.com/au/app/study-score-calculator/id1282878794?mt=8>

VTAC App:

<https://itunes.apple.com/au/app/vtac/id1119361879?mt=8>

Researching universities:

<https://www.topuniversities.com/courses/engineering/guide>

Deakin Update

New Diploma's

Are you interested in Construction Management?

Like other institutions, Deakin University have been working on developing pathways for students who have not met entry requirements for their preferred course at an Australian University.

At Deakin's Geelong Waterfront campus, you can now complete an 8-12-month Diploma in Construction Management and be considered for entry into second year of university study. Deakin's Diploma of Construction Management builds the foundation for further study in Construction Management (Honours) at Deakin University.

The following Diplomas are now being offered at Deakin's Burwood campus, providing students a pathway into relevant Bachelor Degree's:

- Diploma of Film, Television and Animation – Articulates into 2nd year of Bachelor of Film, Television and Animation.
- Diploma of Information Technology – Articulates into 2nd year of Bachelor of Computer Science, Bachelor of Information Technology and Bachelor of Cyber Security.
- Diploma of Design – (50 WAM) Articulates into 2nd year of Bachelor of Design (3D Animation), Bachelor of Design (Digital Technologies) and Bachelor of Design (Visual Communication).
- Diploma of Communication – (50 WAM) Articulates into 2nd year of Bachelor of Communication (Advertising), Bachelor of Communication (Digital Media), Bachelor of Communication (Journalism), Bachelor of Communication (Public Relations).
- Diploma of Business (60 WAM Burwood) (50 WAM Geelong) – Articulates into 2nd year of Bachelor of Business and majors include; Events Management, Film & Television, Organisational Psychology, Project Management, Property & Real Estate, People Management, Public Relations and Retail Management.

To learn more about entry requirements, contact Deakin <http://discover.deakin.edu.au/Student-Enquiry.html>

Remaining Open Days 2018

INSTITUTION	DATE
Australian Catholic University Ballarat Campus	Sun 26 August
Box Hill Institute of TAFE Box Hill Campus	Sun 26 August
Chisholm Institute Berwick Campus Frankston Campus	Mon 27 August Tue 9 October
Deakin University & Deakin College Geelong Campus (Waurm Ponds & Waterfront) Melbourne (Burwood) Campus	Sun 19 August Sun 26 August
Federation University of Australia Berwick, Gippsland & Mount Helen	Sun 26 August
JMC Academy	Sat 25 August
Kangan Institute	September Open Nights Expressions of interest required. See link on page 1.
La Trobe University & La Trobe Melbourne Bendigo Campus	Sun 27 August
Melbourne Polytechnic Preston Campus	Sun 19 August
Monash University Parkville Campus (Pharmacy Focus)	Sun 19 August
RMIT City & Brunswick Campuses	Sun 12 August
University of Melbourne Parkville & Southbank Campuses	Sun 19 August
Victoria University Footscray Park campus	Sun 19 August
Collarts (Australian College of the Arts) Collingwood	Sat 8 th Sep



Career Focus Engineering

Engineers are creative and inspired problem solvers who display unwavering attention to detail while maintaining a focus on the big picture. Engineers are responsible for the transportation and building infrastructure of the world, development of up-and-coming technology (software, hardware and electronics) and development of chemicals, machinery, and businesses.

The term 'engineering' covers many fields which is one of the great attractions of engineering work. It can provide a huge variety of tasks and environments to work in. The main disciplines are; Mechanical, Chemical, Civil, Electrical, Management, and Geotechnical and there are many different branches within each of these disciplines. You can read more about these areas (below) at <https://www.engineersaustralia.org.au> - Australia's principal Engineering Association.

- Aerospace Engineering
- Agricultural Engineering
- Building Services
- Chemical Engineering
- Food Engineering
- Petroleum & Petrochemical Engineering
- Pharmaceutical
- Process Control
- Production
- Civil Engineering
- Geotechnical Engineering
- Hydraulics (Water) Engineering
- Structural Engineering
- Transport Engineering
- Coastal and Ocean Engineering
- Electrical Engineering
- Electronics & Telecommunications Engineering
- Environmental Engineering
- Industrial Engineering
- Marine Engineering
- Materials Engineering
- Mechanical and Manufacturing Engineering
- Minerals and Metallurgical Engineering
- Mining Engineering,
- Resource Engineering
- Risk Engineering
- Software Engineering

To enter the world of engineering, it is helpful to be naturally curious, innovative, driven and interested STEM subjects (Science, Technology, Engineering and Mathematics). It is also beneficial if you are; patient, accurate, safety-conscious, have good hand-eye co-ordination, are able to work in a team or independently, have strong attention to detail and enjoy technical work.

Secondary students planning to become an engineer have much to consider. What type of engineer to become, what industry to enter and which institution to attend. Many students undertake a common year at university or a pathway course to establish their chosen area and refine their university degree.

Graduates of accredited degrees are guaranteed a membership with 'Engineers Australia'. Engineers Australia is the accreditation authority for tertiary institutions in Australia who are responsible for providing course programs that meet Australian and global benchmarks.

Future engineers can also explore the many fields available in Engineering by getting involved in community STEM learning activities. The Australian Government have developed a handy resource called 'Star-Portal' (<https://starportal.edu.au/find-activity/1/>) which is a facility that connects you directly to your local area.

The below table is a list of **single** undergraduate degrees in Engineering and pathway options in Victoria:

Institution/Campus	Bachelor Course	ATAR
Collarts (Australian College of the Arts)		
Collingwood	Audio Engineering (Diploma/Degree) 2 years and 7 months	NA
Chisholm Institute		
Dandenong	Diploma of Engineering Technology: 1-year min Bachelor of Engineering Technology (Mechatronics): 3 years min	NA
	Diploma of Engineering Technology: 1-year min Bachelor of Engineering Technology (Mechanical and Manufacturing): 3 years min	NA
Deakin University		
Cloud, Geelong, Melbourne	Bachelor of Civil Engineering (Honours): 4 years min	80.75
	Bachelor of Electrical and Electronics Engineering (Honours): 4 years min	71.85
	Bachelor of Mechanical Engineering (Honours): 4 years min	71.10-97.80
	Bachelor of Mechatronics Engineering (Honours): 4 years min	65.95-93.60
	Bachelor of Software Engineering (Honours): 4 years min	66.15-81.10
Geelong	Bachelor of Environmental Engineering (Honours): 4 years min	73.50-89.85
Federation University		
Gippsland, Mt Helen (Ballarat)	Bachelor Degree (Honours) in Engineering (Civil): 4 years min	NA
Gippsland, Off-Campus	Bachelor Degree (Honours) in Mechatronic Systems Engineering: 4 years min	NA
Mt Helen (Ballarat)	Bachelor Degree (Honours) in Engineering (Mining): 4 years min	NA
JMC Academy		
Bris, Melb, Syd	Diploma of Audio Engineering and Sound Production: 8 months' min Bachelor of Creative Technology (Audio Engineering and Sound Production): 2 years min	65.00
La Trobe University		
Bendigo, Melbourne	Bachelor Degree (Honours) in Civil Engineering: 4 years min Bachelor Degree (Honours) in Engineering (Industrial): 4 years min	60.55-99.95 60.05-99.95
Monash University		
Clayton	Bachelor of Aerospace Engineering (Honours): 4 years min Bachelor of Engineering (Honours) in your chosen specialisation: 4 years min Bachelor of Software Engineering (Honours): 4 years min	91.10-99.95 91.05-99.95 91.75-99.95
Melbourne Institute of Technology		
Melbourne	Bachelor of Engineering Technology (Telecommunications): 3 years min	NA
RMIT University		
Melbourne	Associate Degree in Engineering Technology: 2 years min	51.35
City/Bundoora	Bachelor Degree (Honours) in Engineering (Advanced Manufacturing and Mechatronics): 4 years min Bachelor Degree (Honours) in Engineering (Aerospace Engineering): 4 years min Bachelor Degree (Honours) in Engineering (Automotive Engineering): 4 years min Bachelor Degree (Honours) in Engineering (Biomedical Engineering): 4 years min Bachelor Degree (Honours) in Engineering (Civil and Infrastructure): 4 years min Bachelor Degree (Honours) in Engineering (Environmental Engineering): 4 years min Bachelor Degree (Honours) in Engineering (Mechanical Engineering): 4 years min Bachelor Degree (Honours) in Engineering (Sustainable Systems Engineering): 4 years min	80.00-99.75 85.05-99.70 80.80-96.45 85.55-92.25 85.05-99.65 81.35-97.85 80.30-99.70 80.05-97.05
City	Bachelor of Engineering (Chemical Engineering) (Honours): 4 years min Bachelor Degree (Honours) in Engineering (Computer and Network Engineering): 4 years Bachelor Degree (Honours) in Engineering (Electrical Engineering): 4 years Bachelor Degree (Honours) in Engineering (Electrical and Electronic Engineering): 4 years Bachelor Degree (Honours) in Engineering (Telecommunications Engineering): 4 years min Bachelor of Software Engineering: 4 years min	80.00-97.45 80.35-87.45 80.00-93.90 80.60-96.75 NA 90.05
Swinburne University of Technology		
Hawthorn	Bachelor of Engineering (Honours): 4 years min Bachelor of Engineering (Honours) (Professional): 5 years min Bachelor of Engineering Practice (Honours): 4 years minimum duration Engineering - Associate Degree: 2 years	76.10-98.75 85.00-99.60 RC 55.80-75.30

Torrens University		
Melbourne, online	Bachelor of Software Engineering (Game Programming)	NA
Victoria University		
Footscray Park	Bachelor of Engineering (Honours) (Civil Engineering): 4 years min	NA
	Bachelor of Engineering (Honours) (Architectural Engineering): 4 years min	NA
	Bachelor of Engineering (Honours) (Electrical and Electronic Engineering): 4 years min	NA
	Bachelor of Engineering (Honours) (Mechanical Engineering): 4 years min	NA
Institution/Campus	Pathway Course	ATAR
Deakin College (Geelong)	Diploma of Engineering: 8 months minimum duration	NA
Federation University (Berwick, Gippsland, Mt Helen, Online)	Foundation Access Studies (FAST) for Engineering, Maths and Science: 6 months	NA
La Trobe University (Melbourne – Bundoora)	Diploma of Engineering: 8 months minimum duration	NA
Monash College (Clayton)	Diploma of Engineering: 1 year minimum duration	NA
	Diploma of Engineering (Information Technology): 8 months minimum duration	NA
Swinburne University of Technology (Hawthorn)	Diploma of Engineering (UniLink): 8 months minimum duration	NA

Note:

* Length of study period is based on minimum duration with a full time study load.

* RC – Range of Criteria, NA – Not applicable.

* As subjects and prerequisites can vary between institutions it is necessary to contact your chosen institution for further information.

(*Sources: Job Guide Victoria, <https://www.engineersaustralia.org.au>, VTAC).