YEAR 12 PLEASE PUT THIS DATE IN YOUR DIARY AS IT IS A VERY IMPORTANT EVENT AND WILL ASSIST YOU GREATLY WITH YOUR VTAC APPLICATIONS.

VTAC Victorian Tertiary Admissions Centre

VTAC Information Evening Thursday, 28th July at 7 pm in the Kilbreda College Hall

YEAR 12 STUDENTS

Are you confused about the VTAC process?

Topics will include:

Explanations of how the ATAR is used, preferences and offers

How to list your preferences

Options for tertiary study

Meeting course requirements and Prerequisites

The application process

How courses select applicants

Scholarship opportunities

SEAS applications

Questions & Answers

Dates and Costs

The Swinburne Advantage

We believe an undergraduate education must be about more than knowledge. In today's competitive job market, it must be about true job readiness.

For over 50 years, Swinburne has been partnering with leading Australian and global organisations to offer students authentic workplace experiences. It's your chance to work on real industry projects, solve day-to-day challenges in your field and gain the professional skills that put knowledge into practice. You'll build invaluable skills and confidence in knowing you have what it takes to land a job in your field by graduation; or even before, with the possibility of continuing employment while completing your degree part-time. It's what we call the ***Swinburne Advantage.***

The **Swinburne Advantage** to all new commencing undergraduate students. **Find out more by browsing The Swinburne Advantage which includes information about:**

Professional Degrees - Professional Degrees

Professional Placements - Professional Placements
Professional Internships - Professional Internships
Industry-Linked Projects - Industry-Linked Projects

News from Deakin University

Update from the Faculty of Business and Law

Compulsory career planning unit for commerce students! Preparing to find a job will soon be an integral part of the course for commerce students at Deakin, with a compulsory unit in career planning being piloted. The compulsory **Personal Insight** unit will provide career development experiences for students, and has a clear focus on students co-creating their professional identity. The unit is the Bachelor of Commerce's key vehicle for creating awareness and engagement in University initiatives, which include planning for choice of majors and alignment to career aspirations, the Career Portal, Work Integrated Learning and international mobility initiatives. The Personal Insight unit is a journey of discovery in which students explore intrapersonal and interpersonal aspects of themselves with the goal of creating a personal portfolio of career resources, to assist them to gain Work Integrated Learning placement(s) and be better prepared to find a graduate role.

Find out more about the Bachelor of Commerce by browsing Commerce at Deakin

Update from the Faculty of Arts and Education

Entertainment production students gain industry experience promoting new Australian film!
First year entertainment production students at Deakin are helping to promote the new Australian film, Pawno (2016). Meeting with director Paul Ireland and writer Damian Hill in a masterclass at the

university, students are encouraged to learn firsthand about producing entertainment today. Social media platforms, festival circuits and online media exposure are some of the topics they explore while promoting the film in student groups. This is just one of the exciting opportunities available to those studying the *Bachelor of Entertainment Production*, which is a new degree that joins a passion for entertainment to the possibility of student learning in a hands-on, collaborative and supported environment. **Find out more about the Bachelor of Entertainment Production by browsing** [Entertainment Production at Deakin]

KANGAN INSTITUTE Call us on 13 TAFE (13 8233)

Visual Merchandising at Kangan

If you are a visually creative individual who loves all things fashion and retail, then our Diploma of Visual Merchandising qualification can lead to your perfect creative career as a Visual Merchandiser. Visual merchandising has become a vital feature in the promotional mix when it comes to creating a striking visual retail presence.
Students who enrol in the nationally accredited ***Diploma of Visual Merchandising*** course will gain relevant skills in –

- designing, planning and implementation of visual merchandising concepts
- explore colour theory, graphics, drawing and multimedia
- design and construct safe and effective props and displays
- digital art and design
- graphic arts
- retail merchandising
- visual merchandising

Find out more by visiting [Diploma of Visual Merchandising at Kangan Institute]

photography studies college

PSC Experience Day

Photography is central to so many aspects of our lives today, and the career possibilities are many and varied. So much is captured, shared and communicated through the image. Such a powerful medium for self-expression, representation, communication and documentation.

PSC is delighted to offer a 'hands on' experience day that will provide senior secondary students with a wonderful opportunity to experience our creative campus, talented teachers and 'a day in the life' of a PSC student.

Students keen on a career in photography might like to sign up for this *free* event in the upcoming school holidays.

Date: Monday 27 June 2016

Time: 10.00am – 3.00pm

Venue: PSC College, 65 City Road in Southbank

Bookings are essential and can be made at PSC Experience Day.

Passion for Law and Commerce - Early Entry Program

Passion for Law and Commerce is a guaranteed early entry program designed to nurture your learning passion and give you a step up in your future law and commerce career.

With an ACU double degree in Law and Commerce, students who have a passion for law and commerce, will have access to choices in areas that excite and inspire them: practice as a barrister or solicitor, provide advice as an in-house counsel to an organisation, or pursue a diverse career specialising in:

- commercial law coupled with accountancy or tax or finance
- social justice advocacy combined with business management
- intellectual property rights, consumer protection law alongside marketing, entrepreneurship and venture capital
- public and private international law coupled with a specialisation in business management and administration
- competition law joined with business management and marketing
- investment law, international trade law combined with finance, business management and administration
- employment law closely aligned with expertise in human resource management

Current Year 12 students (local and international) who will have completed, Legal Studies and a business related subject by the completion of their Year 12 you are eligible to apply for entry to ACU through the Passion for Law and Commerce Program.

Successful applicants to this Early Entry program will require an ATAR 78, and Units 3 and 4 a minimum study score of 30 in English (EAL) or 25 in any other English.

- Bachelor of Laws and Bachelor of Commerce
- Bachelor of Laws and Bachelor of Business Administration

Applications are open, and close on 16 September 2016. Successful applicants will be notified by 30 September 2016. To find out more, and to apply visit Passion for Law and Commerce - Early Entry Program

MONASH University

Snapshot of Monash University

- Named after engineer, military leader and public administrator Sir John Monash, Monash University was established in 1958
- Monash University became a founding member of the Group of Eight universities in 1999
- Monash ranks in the top 1% of world university rankings - Ranking
- Monash has over 70,000 students, with campuses in Malaysia, South Africa, China, India, Italy, besides its five campuses in Australia
- Monash University is the only university in Victoria that offers the Bachelor of Medicine and Bachelor of Surgery (Honours) as an undergraduate entry program from Year 12
- There are ten Monash Faculties offering hundreds of Monash Courses, be they single or double undergraduate degrees, or graduate qualifications up to a PhD
- Monash has a number of student-run clubs and associations - a great way to get involved and meet people - Monash Clubs
- Career Connect is the career centre available to all Monash students. They can access the many services offered – be it for volunteering, part-time jobs, assistance with applying for work on graduation, etc.
- The Monash Study Abroad program assists students in studying overseas as part of their course. Monash has exchange agreements with more than 100 universities all over the world.
- Monash offers more than 200 different scholarships for new and current students, from course fee subsidies to travel allowances, and payments for accommodation costs - Scholarships
- The Monash Guarantee is an alternative entry scheme for students to get into a Monash course even they do not reach the course's clearly-in ATAR. Students may be eligible for the Monash Guarantee if they:
  - ✓ have experienced financial disadvantage
  - ✓ are an Indigenous Australian
  - ✓ attend a Monash under-represented school
- Monash Residential Services assists students in finding accommodation on campus, and off campus.

Engineering Degrees in Victoria

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 2016
DEAKIN M – Melbourne W – 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.	61.85 (W)
	Electrical & Electronics	Circuits and electronics, Computer-aided design (CAD), Control systems, Data communications, Electrical and electronic engineering and technology, Electrical engineering, Electronic engineering, PLC and SCADA, Power systems, Renewable energy, Smart distributions and transmission systems.	n/a (M) n/a (W)
	Mechanical	Computer-aided design (CAD), Control systems, Engineering (fluid), Engineering (mechanical), Materials engineering, Mechanical design, Systems design.	65.25 (M) 62.70 (W)
	Mechatronics	Artificial intelligence, Automotive design, 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.	n/a (M) 60.50 (W)
LA TROBE M – Melbourne B – Bendigo	**Civil**	Building (construction methods), Building (design), Building (technology), Construction, Construction management, Engineering, Engineering (civil), Environmental engineering management, Hydraulics and hydrology, Sustainability.	60.45 (M) n/a (B)
	Engineering	Civil engineering, Design, Electronic engineering, Engineering, Mechanical engineering.	73.40 (M) 71.20 (B)
MONASH Cl – Clayton	**Aerospace ***	Aerodynamics, Aeronautical, Aerospace Engineering, Avionics, Engineering.	91.30 (Cl)
	Engineering *	Chemical engineering, Civil engineering, Electrical and computer systems engineering, Engineering, Materials engineering, Mechanical engineering, Mechatronics engineering.	91.10 (Cl)
	Environmental *	Engineering, Environmental engineering.	n/a (Cl)
	Mining *	Engineering, Mining engineering.	n/a (Cl)
	Software *	Engineering, Software engineering.	88.20 (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.	82.25 (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).	90.10 (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.	n/a (C/B)
	Biomedical	Bioinformatics, Cell Biology, Chemistry, Circuit Theory, Electronics, Engineering biomechanics and biomaterials, Human physiology, Medical engineering and instrumentation, Physics, Programming, Signal processing.	85.65 (C)

RMIT C – City C/B – City & Bundoora	**Chemical ***	Chemical sciences, Environmental, Food science and biotechnology, Metallurgical, Petroleum, Rheology.	76.45 (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.	85.20 (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.	73.00 (C)
	Electrical	Control systems, Electrical distribution, Electrical energy conversion, Electrical engineering, Electrical transmission, Industrial automation, Microprocessor control systems.	72.30 (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.	72.15 (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.	81.40 (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.	84.05 (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.	82.00 (C)
SWINBURNE H – Hawthorn	**Civil**	Computer-aided engineering, Cost engineering, Design of building structures, Design of steel structures, Engineering management, Geotechnical engineering, Infrastructure design project, Project management, Road and transport engineering, Structural design low rise building, Structural mechanics, Sustainable design, Topographical engineering, Transport engineering, Urban water resources, Water and environmental engineering.	75.00+ (H)
	Construction	Civil engineering, Computer-aided engineering, Construction engineering, Construction law and contracts, Construction quality and practices, Cost engineering, Design of constructed structures, Design of temporary structures, Energy and motion, Engineering design, Engineering management, Geomechanics, Project and construction planning, Risk and due diligence, Road engineering, Structural mechanics.	75.00+ (H)
	Electrical & Electronic	Electrical and power, Software engineering, Telecommunications.	75.00+ (H)
	Engineering (Professional)	Civil engineering, Construction engineering, Electrical and power, Mechanical engineering, Product design engineering, Robotics and mechatronics, Software engineering, Telecommunications.	80.00+ (H)
	Mechanical	Control engineering, Control systems, Engineering management, Machine dynamics, Materials and manufacturing, Materials engineering, Mechanical engineering, Mechanical systems design, Mechanics of structures, Solid and fluid mechanics, Thermodynamics.	75.00+ (H)
	Product Design	Computer modelling and simulation, Computer-aided design (CAD), Design and culture, Design for manufacture, Design for social responsibility, Engineering management, Global design, Human factors, Innovative design methodology, Machine design, Mechanical systems design, Product design, Product innovation, Project development, Sustainable design.	R.C.

R.C. – Range of Criteria used for selection	**Robotics & Mechatronics**	Computer-aided engineering (CAE), Control and automation, Control systems, Digital signal and image processing, Electronics, Engineering management, Machine dynamics and design, Mechatronics system design, Object oriented programming in C++, Project management, Robot system design, Robotic control, Structural mechanics.	75.00+ (H)
VICTORIA FP – Footscray Park	**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)
	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)
# Engineering degrees at VU require <u>any maths</u>	**Sports Engineering #**	Analogue and digital, Biomechanics and kinesiology, Biomedical systems, Biophysics, Computer applications, Electronic technology and instrumentation, Engineering (electronics), Engineering (mechanical), Engineering (mechatronic), Exercise science, Human movement, Laboratory instrumentation, Mechatronics, Medical biophysics, Microprocessors, Physics, Physiology, Software development, Systems software, Technical support, Technology.	n/a (FP)

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