

# MATRICES 2019



## ACCOUNTING DEGREES

Accounting is offered at many universities in Victoria. It is often offered as a major or minor in a business or commerce degree, but many universities also offer dedicated accounting degrees. Below is a list of many **specific accounting-focused** courses offered at Victorian universities.

Visit [VTAC](#) for more comprehensive information on these and other courses – including double-degrees – that offer accounting.

INSTITUTION	COURSE	MAJOR STUDIES	IB PREREQUISITES
ACU	Accounting and Finance	Accounting Theory, Auditing, Company Law, Corporate Accounting, Economics, Financial Accounting, Financial Risk Management, Principles of Finance, Taxation Law.	English SL 4, HL 3 <b>ATAR 2019: 59.40</b>
CHARLES STURT	Accounting	Accounting, auditing, business (law), business (management), business (taxation), finance, financial accounting, management accounting.	n/a <b>ATAR 2019: 60.35</b>
FEDERATION UNIVERSITY	Commerce (Accounting)	Accounting, Commerce, Economics and Finance, Human Resource Management, Information Technology, Law, Management, Marketing, Professional Experience.	English SL 3 <b>ATAR 2019: 31.35</b>
LA TROBE UNIVERSITY	Accounting	Accounting, Auditing, Business law, Economics, Financial management.	English SL 3 <b>ATAR 2019: 65.10</b>
	Business (Accounting)	Accounting, Business, Business Law, Finance.	English SL 3 <b>ATAR 2019: 57.35 (Melbourne)</b>
	Business (Accounting and Finance)	Accounting, Finance.	English SL 3 <b>ATAR 2019: 52.05</b>
MONASH UNIVERSITY	Accounting	Accountancy, Accounting, Business, Commerce.	English 4 SL, 3 HL Math Studies 4 Math SL 4 Math HL 3 <b>ATAR 2019: 83.80</b>
RMIT UNIVERSITY	Business (Professional Accountancy)	Accounting, Auditing, Auditing and taxation, Business, Business (accounting), Business (economics), Business (law), Business (taxation), Financial accounting, Management accounting, Taxation, and auditing.	English 4 SL, 3 HL <b>ATAR 2018: 80.45</b>
	Business (Accountancy)	Accounting, Auditing, Auditing and taxation, Business, Business (accounting), Business (economics), Business (law), Business (taxation), Financial accounting, Management accounting, Taxation and auditing.	English 4 SL, 3 HL <b>ATAR 2019: 65.15</b>
SWINBURNE UNIVERSITY	Accounting	Accounting, Accounting theory, Auditing, Business, Commerce, Company accounting, Finance, Financial information systems, Financial management, Financial statistics, Management accounting for planning and control, Taxation.	English 4 SL, 3 HL <b>ATAR 2019: 58.10</b>
VICTORIA UNIVERSITY	Business (Accounting)	Accounting, Banking and Finance, Event Management, Financial Risk Management, Human Resource Management, Information Systems Management, International Trade, Management and Innovation, Marketing, Supply Chain and Logistics, Tourism and Hospitality Management.	English 4 SL, 3 HL <b>ATAR 2019: n/a</b>

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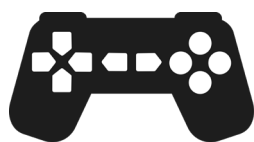
### AGRICULTURE DEGREES



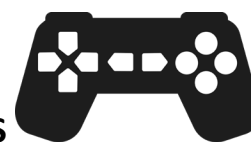
Growing enough food to sustain the world is one of the biggest challenges the world is facing in the 21<sup>st</sup> century. Below are several degrees that prepare students to become experts in the *science of agriculture*, so they can take on an advisory role in agriculture and farming practices. **For a comprehensive list of courses (including the many double-degree options) on offer at Victorian universities, TAFEs, and Private Providers, visit [VTAC](#).**

INSTITUTION	COURSE NAME	VCE PREREQUISITES	MAJOR STUDIES IN 2019
BOX HILL INSTITUTE	Bachelor of Biosecurity Science	English SL 3 Math Studies 3 Math SL 3	Biosecurity Science
CHARLES STURT UNI	Bachelor of General Studies (Science)	n/a	Agriculture, allied health, animal science, biomedical sciences, chemistry, environmental science, mathematics, medical science, physics.
LA TROBE UNI	Bachelor of Agricultural Sciences	English SL 3	Agribusiness, Agricultural biotechnology, Agricultural marketing, Agricultural science, Agriculture, Agronomy, Animal and plant biology, Plant and animal production, Soil science.
	Bachelor of Agriculture & Technology	English SL 3	Agricultural studies, Agronomy, Equine studies, Sports turf science and management, Viticulture, and winemaking.
MARCUS OLDHAM COLLEGE	Bachelor of Business (Agribusiness)	n/a, but ATAR is used for selection	Agribusiness.
	Bachelor of Business (Agriculture)	n/a, but ATAR is used for selection	Agriculture, Farm Management and Agribusiness
UNI MELBOURNE	Bachelor of Agriculture	English 4 SL, 3 HL Math Studies 5 Math SL 4 Math HL 3	Agricultural economics, Plant and soil science, Production animal science.
WILLIAM ANGLISS INSTITUTE	Bachelor of Food Studies	n/a, but all applicants must submit a Pre-selection Form as part of selection into the degree	Agriculture and Farming Systems, Culinary Artistry, Culture and Cuisine, Diet and Health in Society, Economics and Global Impacts, Food Movements and Social Change, Food and Gastronomy in Literature and Media, Innovation and Entrepreneurship, Sensory Education.

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### ANIMATION & GAMING COURSES



Animation and games design courses offer students a range of opportunities to be exposed to, and develop their skills in, subjects such as *computer coding, computer programming, broad IT skills, simulation, and modelling, computer-based 2D and 3D, interactive information design, and virtual environments*, to name but a few. Below is a list of some undergraduate degrees offered at Victorian Universities.

For a comprehensive list of courses (including the many double-degree options) on offer at Victorian universities, TAFEs, and Private Providers, visit [VTAC](#).

INSTITUTION	COURSE NAME	VCE PREREQ'S	MAJOR STUDIES
DEAKIN	Design (3D Animation)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	2D animation, 3D animation, Animation, Audio and visual effects, Character design and rigging, Compositing, Creative arts, Documentary and experimental filmmaking, Film and television, Film studies, Film titling, Interactive art, Media, Modelling, Motion capture, Narrative, Photography, Project management, Screen production, Screen studies, Stereoscopy, Stop motion animation, Storyboarding, Visual communication design.
FEDERATION	Games Development	Units 3 and 4: a study score of at least 20 in any English; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	3D Modelling & Animation, Agile Coding, Big Data & Analytics, Cloud & Enterprise Computing, Communications & Technology, Computer Games Design, Data Modelling, Game Development Fundamentals, Game Programming, IT Problem Solving, IT Professional Engagement, IT Project Management Techniques, Mobile Development Fundamentals, Networking & Security, Professionalism & Entrepreneurship, Systems Modelling, Understanding the Digital Revolution, User Experience, Web Design.
MONASH	Design/Media Communication	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Animation, Automotive design, Collaborative design, Communication design, Computer-aided design (CAD), Design, Digital humanities, Digital media, Furniture design, Graphic design, Illustration, Industrial design, Interactive design, Journalism, Materials technology, Media, Product design and development, Public relations, Screen, Spatial design, Transportation design, Visual communication, Web design.
RMIT	Animation and Interactive Media	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	2D animation, 3D animation, Animation, Animation design and production, Computer animation, Concept art, Design, Digital arts, Illustration, Imaging and sound, Motion design, Projection mapping, Visual effects.
	Games Design	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	3D animation, 3D design, Arts (contemporary), Computer graphics, Computer programming, Digital animation (games), Digital art and design, Digital imaging, Entrepreneurship, Games design, Games development, Games programming, Games technology, Graphic design.
	Games and Graphics Programming	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	Animation (games), Animation (modelling), Animation software, Artificial intelligence, Computer animation (computer graphics), Computer graphics, Computer programming, Design (3D), Digital imaging, Games programming, Internet and multimedia, Multimedia and digital arts, Networking and multimedia technology, Programming (C), Programming (Java), Software engineering.
SWINBURNE	Animation	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	2D 3D and Stop-motion animation, Animation history and theory, Character and environment design, Character locomotion and performance, Conceptual sketching and life-drawing, Human and animal anatomy, Producing and production management, Screenwriting, Sound design.
	Games and Interactivity	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	3D modelling and animation, Audio and video production, Game design, Games development, Games technology, Narrative design, User experience design.
UNI MELBOURNE	Fine Arts (Animation)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Animation.

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Below is a list of some single undergraduate degrees in architecture, building & construction, and surveying at Victorian institutions. To find out about all similar courses on offer (including double degree options) at both TAFEs and universities, visit [VTAC](http://vtac.vic.edu.au). Students are encouraged to explore pathway courses to these degrees.

INSTITUTION	COURSE	VCE PREREQUISITES	2019 ENTRY REQUIREMENTS
<b>Deakin</b> (Geelong Waterfront Campus)	Architecture	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	ATAR 70.25
	Construction Management	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	ATAR 60.60
<b>Holmesglen</b> (Chadstone Campus)	Building Surveying	n/a, but ATAR is used for selection	ATAR n/a
	Construction Management and Economics	n/a, but ATAR is used for selection	ATAR n/a
<b>Monash</b> (Caulfield Campus)	Architectural Design and Master of Architecture	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	ATAR 82.15
<b>RMIT</b> (City Campus)	Architectural Design	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	ATAR R.C. Pre-Selection Kit Interview (some)
	Landscape Architecture	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	ATAR R.C. Pre-Selection Kit Folio Presentation (some)
	Construction Management	Units 3 and 4: a study score of at least 20 in any Mathematics; Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	ATAR 80.20
	Surveying	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	ATAR 70.05
<b>Swinburne</b> (Hawthorn Campus)	Architecture	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	ATAR R.C. Online Digital Portfolio
	Interior Architecture	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 3 and 4: a study score of at least 20 in one of Art, Product Design And Technology, Media, Interactive Digital Media C, Creative And Digital Media (VCE VET) I, Studio Arts, Systems Engineering or Visual Communication Design.	ATAR 69.55
<b>University of Melbourne</b> (Parkville Campus)	Design	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL. Units 3 and 4: a study score of at least 25 in Mathematical Methods if going to major in construction	ATAR 86.20
<b>Victoria University</b> (Footscray Park Campus)	Building Surveying	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	ATAR n/a
	Construction Management	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	ATAR n/a

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### ARTS DEGREES ON OFFER IN VICTORIA



Most universities in Victoria offer an Arts degree, and many of these are listed below. Students should note that the prerequisite VCE subject for most Arts degrees is only an English or EAL. For a comprehensive list of courses (including the many double-degree options) on offer at universities, visit [VTAC](http://www.vtac.edu.au).

INSTITUTION	MAJOR STUDIES	ATAR 2019
<b><u>ACU</u></b> M – Melbourne Campus	Business studies, Drama, Economics, Education Studies, History, Literature, Mathematics, Media, Music, Philosophy, Politics and International Relations, Psychology, Sociology, Study of Religions/Theological Studies, Visual arts.	58.75 (M)
<b><u>DEAKIN</u></b> G – Geelong Waurm Ponds Campus M – Melbourne Campus	Advertising, Anthropology, Arabic, Children's Literature, Chinese, Creative Writing, Criminology, Drama, Education, Film, Television and Animation, Gender and Sexuality Studies, Geography and Society, History, Indonesian, International Relations, Journalism, Language and Culture Studies, Literary Studies, Media Studies, Middle East Studies, Philosophy, Photography, Politics and Policy Studies, Public Relations, Sociology, Spanish, Studies of Religions, Visual Arts.	55.80 (G) 60.60 (M)
<b><u>FEDERATION UNI</u></b> G – Gippsland Campus MH – Mount Helen Campus	Knowledge, Ideas and People - First Nations Studies, History, Philosophy & Sociology. Texts, Creativity & Culture - Film & Media, Literature & writing.	34.90 (G) 39.85(MH)
<b><u>LA TROBE</u></b> M – Melbourne Campus AW – Albury Wodonga Campus B – Bendigo Campus	Aboriginal Studies, Anthropology, Archaeology, Asian studies, Chinese, Creative and professional writing, Crime, justice and legal studies, Economics, English, French, Gender, sexuality and diversity studies, History, Human geography, Indonesian, International studies, Italian studies, Japanese, Linguistics, Mathematics, Media studies, Modern Greek, Philosophy, Politics, Psychology, Screen studies, Sociology, Spanish, Sustainability and development.	50.10 (M) 54.40 (AW) 53.00 (B)
<b><u>MONASH</u></b> Ca – Caulfield Campus CL – Clayton Campus	Anthropology, Archaeology and ancient history, Arts, Australian studies, Behavioural studies (minor), Bioethics (minor), Chinese studies, Communications and media studies, Criminology, Digital humanities, Film and screen studies, French studies, German studies, Global Asia, History, Holocaust and genocide studies (minor), Human geography, Human rights, Humanities, Indigenous cultures and histories, Indonesian studies, International relations, International studies, Islamic studies (minor), Italian studies, Japanese studies, Jewish studies (minor), Journalism, Korean studies, Languages, Linguistics, Literary studies, Music, Musical theatre (minor), Philosophy, Politics, Psychology, Religious studies (minor), Social science, Sociology, Spanish and Latin American studies, Theatre and performance, Ukrainian studies (minor).	78.00 (Ca) 83.00 (Cl)
<b><u>SWINBURNE</u></b> H – Hawthorn Campus  * <a href="#">Professional Degree</a>	Advertising, Chinese, Cinema and screen studies, Creative writing and literature, Criminology, Digital advertising technology, Environmental sustainability, Games and Interactivity, Global studies, History, Indigenous studies, Japanese, Journalism, Media industries, Philosophy, Politics and international relations, Professional writing and editing, Social media, Sociology.	55.00 (H) 75.60 (H)*
<b><u>UNI MELBOURNE</u></b> P – Parkville Campus	Ancient world studies, Anthropology, Arabic studies, Art history, Asian studies, Australian Indigenous studies, Chinese societies (minor), Chinese studies, Classics, Creative writing, Criminology, Development studies (minor), Economics, English and theatre studies, English language studies (minor), Environmental studies (minor), European studies (minor), French studies, Gender studies, Geography, German studies, Hebrew and Jewish studies, History, History and philosophy of science, Indonesian studies, Islamic studies, Italian studies, Japanese studies, Knowledge and learning (minor), Law and justice (minor), Linguistics and applied linguistics, Media and communications, Philosophy, Politics and international studies, Psychology, Russian studies, Screen and cultural studies, Sociology, Spanish and Latin American studies.	85.00 (P)
<b><u>VICTORIA UNI</u></b> P – Footscray Park Campus	Communication studies, Digital media, History, Literary studies, Political science, Psychology, Sociology, Visual arts, Writing.	n/a (FN) n/a (FP)

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### **BANKING AND/OR FINANCE DEGREES**



A number of universities in Victoria offer specific Banking and Finance, Accounting and Finance, or similarly-named degrees, and many of these are listed below. Students are encouraged to take note of the maths prerequisites that may differ between institutions. **For a comprehensive list of all courses, their majors and double degrees on offer, visit [VTAC](http://VTAC).**

INSTITUTION	COURSE NAME	VCE PREREQs	MAJOR STUDIES	ATAR 2019
<b>ACU</b> M - Melbourne	Accounting and Finance	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Accounting Theory, Auditing, Company Law, Corporate Accounting, Economics, Financial Accounting, Financial Risk Management, Principles of Finance, Taxation Law.	<b>59.40 (M)</b>
<b>LA TROBE</b> M - Melbourne	Accounting and Finance	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Accounting, Finance	<b>52.05 (M)</b>
	Finance	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Business, Economics, Financial management.	<b>67.75 (M)</b>
<b>MONASH</b> Ca – Caulfield	Banking and Finance	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Maths: Further Mathematics or at least 22 in Maths: Mathematical Methods or at least 22 in Maths: Specialist Mathematics.	Banking, Banking and Finance, Business, Commerce, Finance.	<b>83.65 (Ca)</b>
<b>RMIT</b> C - City	Economics and Finance	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Accounting, Business, Business (accounting), Business (economics), Business (finance), Business Finance, Econometrics, Economics, Finance, Financial Markets, International Economics, International Trade, Investment, Macroeconomics, Management (finance), Risk Management, Statistics, Treasury management.	<b>70.35 (C)</b> <b>80.00 (Applied)</b>
<b>VICTORIA</b> CF – City Flinders  Note: Some majors are taught at the Footscray Park Campus	Banking and Finance	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Accounting, Banking and Finance, Event Management, Financial Risk Management, Human Resource Management, Information Systems Management, International Trade, Management and Innovation, Marketing, Supply Chain and Logistics, Tourism and Hospitality Management.	<b>n/a (CF)</b>
	Financial Risk Management	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Accounting, Banking and Finance, Event Management, Financial Risk Management, Human Resource Management, Information Systems Management, International Trade, Management and Innovation, Marketing, Supply Chain and Logistics.	<b>n/a (CF)</b>

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### BIOMEDICINE/BIOMEDICAL SCIENCE DEGREES IN VICTORIA



A Biomedicine or Biomedical Science degree is offered at a number of universities and is often regarded as an excellent pathway degree to graduate medicine. Visit [VTAC](#) for more information on these and other courses – including double-degrees.

INSTITUTION	COURSE NAME	VCE PREREQUISITES	MAJOR STUDIES IN 2019
<b>ACU</b> M - Melbourne	<b>Biomedical Science</b> ATAR: 59.50 (M)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in any Mathematics.	Biomedical Science.
<b>DEAKIN</b> M – Melbourne G – Waurn Ponds	<b>Biomedical Science</b> ATAR: 80.15 (M) 72.50 (G)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Anatomy, Biochemistry, Bioinformatics, Biology, Biomedical science, Bioscience, Cell biology, Environmental health, Genetics, Human biology, Immunology, Infection and immunology, Medical biotechnology, Medical genomics, Medical microbiology, Medical research, Medical science, Microbiology, Molecular and cell biology, Molecular and human genetics, Molecular biology, Molecular life sciences (Burwood), Pathophysiology, Pharmaceutical Science, Physiology.
<b>FEDERATION</b> B – Berwick Gi – Gippsland Ba - Ballarat	<b>Biomedical Science</b> ATAR: 54.90 (B) 63.85 (Gi) 53.05 (Ba)	Units 3 and 4: a study score of at least 20 in any Mathematics or at least 20 in any Science; Units 3 and 4: a study score of at least 20 in any English.	Anatomy and Physiology, Biochemistry, Biology, Chemistry, Genetic Sciences, Health sciences, Medical microbiology, Medical science, Microbiology, Pathophysiology, Pharmacology, Public health, Statistics.
<b>LA TROBE</b> M - Melbourne	<b>Biomedicine</b> ATAR: 60.15 (M)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Biochemistry, Biomedical Science, Biomedicine, Biosciences, Cell and molecular biology, Chemistry, Health, Human Physiology, Medical science.
	<b>Biomedical Science</b> ATAR: 59.50 (M)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in any Mathematics.	Biomedical Science.
<b>MONASH</b> C - Clayton	<b>Biomedical Science</b> ATAR: 90.35 (C)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Chemistry; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods, Maths: Specialist Mathematics or Physics.	Anatomy and physiology, Biochemistry, Bioinformatics, Biomedical science, Biomedicine, Biophysics, Biotechnology, Genetics, Health sciences, Human biology, Human sciences, Microbiology, Molecular and cell biology, Neurobiology, Pathology, Pathophysiology.
<b>RMIT</b> B - Bundoora	<b>Biomedical Science</b> ATAR: 69.20 (B)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in Chemistry; Units 3 and 4: a study score of at least 20 in one of any Mathematics or Physics.	Anatomy, Biochemistry, Bioinformatics, Biomedical science, Biotechnology, Cell biology, Cell physiology, Human physiology, Medical science, Microbiology, Molecular medicine and biotechnology, Neurobiology, Pathology.
<b>UNI MELBOURNE</b> P - Parkville	<b>Biomedicine</b> ATAR: 94.05 (P)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Chemistry; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	Biochemistry and molecular biology, Bioengineering systems, Biotechnology, Cell and developmental biology, Genetics, Human structure and function, Immunology, Microbiology and immunology, Neuroscience, Pathology, Pharmacology, Physiology.
<b>VICTORIA</b> F – Footscray St. A – St. Albans	<b>Biomedical Science</b> ATAR: n/a (St. A)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Biology, Chemistry, Health And Human Development, any Mathematics or Physical Education.	Human Physiology, Molecular Cell Biology.
	<b>Biomedicine</b> ATAR: 81.20 (F) n/a (St. A)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in two of Biology, Chemistry, any Mathematics or Physics.	Biomedicine.

## MATRICES 2019



Many students are keen on studying business degrees at Victorian Universities that offer majors including **accounting, marketing, human resources, and management**, and these can be found included in the following degrees. **For a comprehensive list of all business courses, their majors, and double degrees on offer, visit [VTAC](#)**

INSTITUTION	COURSE	VCE PREREQS	MAJOR STUDIES IN 2019	ATAR 2019
<b>CQU</b> M - Melbourne	Business	n/a	Accounting, Financial Planning, Human Resource Management (HRM), Management, Marketing, Property, Social Innovation.	<b>n/a (M)</b>
<b>DEAKIN</b> M – Melbourne G – Geelong W’Front	Business	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Event management, Film and Television, Organisational psychology, People management, Project management, Property and real estate, Public relations, Retail management.	<b>62.05 (M)</b> <b>62.10 (G)</b>
<b>FEDERATION</b> Be – Berwick Ba – Ballarat Gi - Gippsland	Business	Units 3 and 4: a study score of at least 20 in any English.	Accounting, Business, Economics and Finance, Entrepreneurship, Human Resource Management, Information Technology, Law, Management, Marketing, Professional Experience.	<b>38.80 (Be)</b> <b>40.65 (Ba)</b> <b>n/a (Gi)</b>
<b>LA TROBE</b> M – Melbourne Be – Bendigo AW – Albury Wodonga	Business	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Accounting, Agribusiness, Business, Economics, Event Management, Financial Management, Human Resource Management, International Business, Management, Management and Marketing, Marketing, Sport Management, Tourism and Hospitality.	<b>51.35 (M)</b> <b>52.35 (Be)</b> <b>n/a (AW)</b>
<b>MONASH</b> Ca – Caulfield P - Peninsula	Business	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Maths: Further Mathematics or at least 22 in Maths: Mathematical Methods or at least 22 in Maths: Specialist Mathematics.	Accountancy, Accounting, Banking, Banking and finance, Business, Business law, Business management, Business statistics, Econometrics, Economics, Economics and business strategy, Finance, Human resource management, International business, Management, Marketing, Taxation.	<b>82.10 (Ca)</b>
	Business Administration	Units 1 and 2: satisfactory completion in two units (any study combination) of Maths: General Mathematics, Maths: Mathematical Methods or Maths: Specialist Mathematics or Units 3 and 4: any Mathematics; Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Accountancy, Accounting, Business, Business administration, Communications (Economics, Economics and business decisions (minor), Finance, Finance and economics, Management, Management practice, Marketing, Marketing and communications.	<b>70.00 (P)</b>
<b>RMIT</b> C - City	Business (Associate Degree)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Accounting, Business, Business (management), Economics, Human resource management, Information Technology, Legal Studies, Logistics and Supply Chain Management, Management, Marketing.	<b>50.05 (C)</b>
<b>SWINBURNE</b> H – Hawthorn * Professional Degree	Business	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Accounting, Accounting and finance, Accounting and financial planning, Business administration, Commerce, Economics, Entrepreneurship and innovation, Finance, Financial planning, Human resource management, Information systems, International business, Logistics and supply chain management, Management, Marketing, Sports management.	<b>59.65 (H)</b> <b>78.15 * (H)</b>
<b>VICTORIA</b> CF – City Flinders FP – Footscray Park	Business	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Accounting, Banking and Finance, Event Management, Financial Risk Management, Human Resource Management, Information Systems Management, International Trade, Management and Innovation, Marketing, Supply Chain and Logistics, Tourism and Hospitality Management.	<b>n/a (CF)</b> <b>n/a (FP)</b>



# MATRICES 2019



## CAREER AS A CIVIL ENGINEER



Civil engineers plan, design, construct, operate and maintain roads, bridges, dams, water supply schemes, sewerage systems, transportation systems, harbours, canals, dockyards, airports, railways, factories and large buildings. They may perform some of the following tasks\*:

- investigate sites to work out the most suitable foundation for a proposed construction
- research and advise on the best engineering solution to meet a client's needs and budget
- produce detailed designs and documentation for the construction and implementation of civil engineering projects
- organise the delivery of materials, plant machinery and equipment needed for the construction project and supervise labour
- analyse and interpret reports on loading, labour, productivity, quality, materials and performance
- analyse risks associated with natural disasters including wind, earthquake, fire and floods, and design structures and services to meet appropriate standards
- arrange for geological and geophysical investigations and carry out feasibility studies

\* [Good Universities Guide - Civil Engineering](#)

Universities in Victoria that offer undergraduate degrees in Civil Engineering include -

INSTITUTION	VCE REQUIREMENTS	ATAR 2019
<a href="#">Deakin University</a> G – Geelong Waurn Ponds Campus M – Melbourne Campus	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>63.40 (G)</b> <b>71.90 (M)</b>
<a href="#">Federation University</a> G – Gippsland Campus MH – Mount Helen Campus	Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics; Units 3 and 4: a study score of at least 20 in any English.	n/a (G) n/a (MH)
<a href="#">La Trobe University</a> M – Melbourne Campus Be - Bendigo	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>67.95 (M)</b> <b>67.30 (Be)</b>
<a href="#">Monash University</a> C – Clayton Campus	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics; Units 3 and 4: a study score of at least 25 in one of Chemistry or Physics.	<b>91.80 (C)</b>
<a href="#">RMIT University</a> C/B – City & Bundoora	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>85.05 (C/B)</b>
<a href="#">Swinburne University</a> H – Hawthorn Campus *Professional Degree	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics. <b>Engineering Practice (Honours)^ accepts 20 in any maths</b>	<b>75.20 (H)</b> <b>83.55* (H)</b> <b>R.C. ^^</b>
<a href="#">Victoria University</a> FP – Footscray Park	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 any Mathematics	n/a (FP)

Visit [VTAC](#) for more information on these and other courses – including double-degrees.

## MATRICES 2019



### CHIROPRACTIC, OSTEOPATHY & REMEDIAL MASSAGE



According to the **Good Universities Guide** –

*Chiropractors* diagnose and treat health problems related to the nervous, muscular and skeletal systems, particularly the spine, without the use of drugs or surgery. They adjust patients' spine or other joints to correct joint dysfunctions interfering with proper nervous system control and integration of body function.

*Osteopaths* diagnose, treat and provide preventative advice about disorders that affect the body's musculoskeletal system, using manual techniques to alleviate stresses and dysfunction to improve the body's function. They treat patients using a variety of manual techniques, such as soft tissue stretching, muscle relaxation, gentle mobilisation or manipulation

*Massage Therapists* assess and treat the soft tissue of the body for therapeutic purposes. They administer treatments to promote relaxation, improve blood circulation and relieve muscle tension.

There are courses in Victoria that prepare students for careers in these three disciplines, and some of these are listed below. For a comprehensive list of these offered by all institutions, as well as similar courses, browse [VTAC](#).

INSTITUTION	COURSE	VCE REQUIREMENTS	ATAR 2019
Chisholm TAFE	<a href="#">Remedial Massage</a>	Satisfactory completion of a Year 12	n/a
Holmesglen TAFE	<a href="#">Remedial Massage</a>	n/a	n/a
RMIT	<a href="#">Chiropractic</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	60.55
	<a href="#">Osteopathy</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	60.90
	<a href="#">Remedial Massage and Myotherapy</a>	Satisfactory completion of a Year 12 and ATAR is used as part of selection	n/a
Victoria University	<a href="#">Osteopathy</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Biology, Chemistry, any Mathematics or Physics.	n/a

## MATRICES 2019



### COMMERCE DEGREES

Students will note that in many cases the majors offered in commerce degrees are similar to those offered in business degrees. One particular difference between a business degree and a commerce degree is often the VCE maths prerequisite requirement.

For a comprehensive list of all courses, their majors and double degrees on offer, visit [VTAC](#)

INSTITUTION	COURSE NAME	VCE PREREQUISITES	MAJOR STUDIES IN 2019	ATAR 2019
<b>ACU</b> M – Melbourne	Commerce	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Accounting, Event Management, Finance, Human Resource Management, Informatics, Management, Marketing.	<b>58.75 (M)</b>
<b>DEAKIN</b> G – Geelong Waurin Ponds M – Melbourne W – Warrnambool	Commerce	Units 3 and 4: a study score of at least 25 in English (EAL) or 20 in English other than EAL	Accounting, Economics, Finance, Financial Planning, Food and agribusiness, Human resource management, Management, Management information systems, Marketing.	<b>70.45 (G)</b> <b>80.00 (M)</b> <b>63.90 (W)</b>
<b>FEDERATION</b> B – Berwick Gi - Gippsland	Commerce	Units 3 and 4: a study score of at least 20 in any English.	Accounting, Commerce, Economics and Finance, Human Resource Management, Information Technology, Law, Management, Marketing, Professional Experience.	<b>n/a (B)</b> <b>n/a (Gi)</b>
<b>LA TROBE</b> M – Melbourne	Commerce	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Accounting, Economics, Financial management, Management, Marketing.	<b>77.15 (M)</b>
<b>MONASH</b> Cl – Clayton	Commerce	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	Accountancy, Accounting, Actuarial science, Actuarial studies, Behavioural commerce, Business, Business analytics, Business law (minor), Business statistics, Commerce, Econometrics, Economics, Finance, Management, Management studies, Marketing, Marketing science, Sustainability.	<b>90.35 (Cl)</b>
<b>UNI MELBOURNE</b> P - Parkville	Commerce	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	Accounting, Actuarial studies, Business, Economics, Finance, Management, Marketing.	<b>93.00 (P)</b>

## MATRICES 2019



### COMPUTER SCIENCE DEGREES IN VICTORIA

Several Victorian universities offer **Computer Science degrees** and below is a list of many of these courses. **For a comprehensive list of all courses (including the many double-degree options) on offer at both TAFEs and universities, visit [VTAC](http://VTAC).**

INSTITUTION	VCE PREREQUISITES	MAJOR STUDIES IN 2019
<b>DEAKIN</b> M – Melbourne Campus	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.  <b>2019 ATAR: 61.70 (M)</b>	Algorithms, Artificial Intelligence, Computer science, Computer software, Computing systems, Computing systems integration, Cyber-physical computing, Data and information management, Data mining and machine learning, Data science, Embedded computing, Programming, Project management, Robotics, Sensors and data, Software design and development, System prototyping.
<b>LA TROBE</b> M – Melbourne Campus	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.  <b>2019 ATAR: 56.55 (M)</b>	Algorithms and data structures, Artificial intelligence, Big data, Computer Science, Computer architecture, Computer programming, Database programming, Databases, Industrial collaboration and experience, Network security, Networks, Operating systems, Software engineering, Wireless technologies.
<b>MONASH</b> CI – Clayton Campus	Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics; Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.  <b>2019 ATAR: 84.40 (CI)</b>	Algorithms and data structures, Computational science, Computer graphics, Computer programming, Computer science, Computing, Data science, Databases, Digital humanities, Distributed systems and applications, Information and communication technology, Information technology, Programming, Software development, Systems development.
<b>RMIT</b> C – City Campus	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.  <b>2019 ATAR: 80.20 (C)</b>	Algorithms and data structures, Animation, Artificial intelligence, Big Data, Cloud computing, Computer and network security, Computer graphics, Databases, Enterprise systems, Internet, Networks and data communications, Object-oriented design, Object-oriented modelling, Object-oriented programming, Operating systems, Problem solving, Programming, Programming (.NET), Programming (C++), Programming (Java), Security, Software engineering.
<b>SWINBURNE</b> H – Hawthorn Campus ** Professional degree	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 1 and 2: satisfactory completion in two units (any study combination) of Maths: General Mathematics, Maths: Mathematical Methods or Maths: Specialist Mathematics or Units 3 and 4: a study score of at least 20 in any Mathematics.  <b>2019 ATAR: 65.05 (H)</b> <b>2019 ATAR: 78.35 (H) **</b>	Cybersecurity, Data science, Games development, Internet of Things, Network design, Software design, Software development.

# MATRICES 2019



## CYBERSECURITY COURSES IN VICTORIA



[Wikipedia](#) defines cybersecurity or computer security as *the protection of computer systems from theft or damage to their hardware, software or electronic data, as well as from disruption or misdirection of the services they provide.*

Another explanation is that **cybersecurity** is the protection of internet-connected systems, including hardware, software and data, from cyberattacks. In a computing context, **security** comprises **cybersecurity** and physical **security** -- both are used by enterprises to protect against unauthorized access to data centers and other computerized systems.

Cybersecurity professionals are employed in all industries, and they work hard at ensuring computer data stays out of the wrong hands.

Cybersecurity is taught at numerous universities in Victoria.

Although [Cybersecurity Education](#) is an American organisation, its website is well-worth a visit just to begin to grasp the broad range of careers in this field.

Cybersecurity is taught at a number of Victorian institutions – either as a course in its own right, or as a major in another courses. **Below is a list of some of these, and students are encouraged to browse [VTAC](#) for a comprehensive list of all courses available.**

INSTITUTION	COURSE NAME	VCE PREREQs	MAJOR STUDIES IN 2019
<b>Box Hill Institute</b>	Advanced Diploma of Cyber Security	n/a	Cyber Security Policy and Planning, Forensics, IOT device security, Incident response, Networking and Network Security, Penetration testing, Threat detection and mitigation.
<b>Deakin University</b>	Bachelor of Cyber Security	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Access control, Computer and network security, Computing, Cryptography, Data analytics, Database, Digital forensics, Hi-tech crime, Identity management and authentication, Information and communication technology, Information technology, Internet and web, Internet technology and security, Internet-of-things security, Network management and network systems, Penetration testing, Privacy, Public-key cryptography, Security analytics, Security and management, Security and risk analysis, System and software vulnerabilities.
<b>Holmesglen Institute</b>	Cert IV in Cyber Security	n/a	Collecting and analysing data to identify cyber threats and vulnerabilities, Cyber Security Industry Project, Cyber ethics and workplace legislation, Introduction to Pen Testing, Intrusion testing, Managing System Security, Network Security firewall configuration, Networking skills for Cyber Security, Programming skills for Cyber Security, Securing Websites, Security monitoring & Incident response, Working and communicating in a Cyber Security Operations Centre in an Organisation.
<b>La Trobe University</b>	Bachelor of Cybersecurity	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Computer science, Cybersecurity Management, Information technology.
<b>Swinburne University</b>	Cert IV in Cyber Security	n/a	Implement network security infrastructure, Test concepts and procedures, Utilise basic network concepts and protocols, Write script for software applications. Information session

## MATRICES 2019



### **COURSES IN GLOBAL AND INTERNATIONAL STUDIES**

Many universities in Victoria offer courses that include major studies in *international studies*, *global studies*, *international relations*, *policy studies*, *politics*, etc. that students keen on a career as a diplomat, or working in government or NGO's, might be keen on studying. Students should note that the prerequisite VCE subject for most of the degrees listed below is only an English or EAL. **For a comprehensive list of all relevant courses (including the many other double-degree options) on offer at universities, visit [VTAC](#)**

UNIVERSITY	COURSE	MAJOR STUDIES IN 2019
ACU	<a href="#">International Development Studies</a>	International Development Studies.
	<a href="#">Arts/Global Studies</a>	Business Studies, Drama, Economics, Global Studies, History, Literature, Mathematics, Media, Music, Philosophy, Politics and International Relations, Psychology, Sociology, Study of Religions/Theological Studies, Visual Arts.
Deakin	<a href="#">International Studies</a>	Anthropology, Arabic, Chinese (Burwood, Waurin Ponds), Indonesian, International Politics, International Relations, Language and Culture Studies, Middle East Studies, Politics and Policy Studies, Spanish.
	<a href="#">International Studies/Commerce</a>	Accounting, Anthropology, Arabic, Chinese, Economics, Finance, Financial Planning, Human Resource Management, Indonesian, International Politics, International Relations, Language and Culture Studies, Management, Management Information Systems, Marketing, Middle East Studies, Politics and Policy Studies, Spanish.
	<a href="#">Laws/International Studies</a>	Anthropology, Arabic, Chinese, Commercial law, Indonesian, International relations, Language and culture studies, Middle East studies, Politics and policy studies, Spanish
La Trobe	<a href="#">International Relations</a>	International Relations.
	<a href="#">Laws/International Relations</a>	Law, International Relations.
	<a href="#">Politics, Philosophy and Economics (PPE)</a>	Economics, Philosophy, Politics.
Monash	<a href="#">Global Studies</a>	Cultural competence, Global studies, Human rights, International relations, International studies, Languages.
	<a href="#">Laws/Global Studies</a>	Constitutional law, Corporations law, Criminal law & procedure, International relations, International studies, Administrative law, Contract, Cultural competence, Equity, Evidence, Global studies, Human rights, Intellectual property, Languages, Law, Lawyers' ethics in practice, Litigation and dispute resolution, Professional practice, Property, Taxation, Torts, Trusts.
RMIT	<a href="#">Arts (International Studies)</a>	Cross cultural studies, Cultural diversity, Globalisation, History, Human rights, International development, International economics, International law, International relations, International studies, Language and culture studies, Language and literacy, Politics and policy studies, Social research methods.
	<a href="#">Legal and Dispute Studies</a>	Dispute resolution and mediation, Human rights, Justice, Law, Law (Family), Law (civil), Law (criminal), Law (evidence), Law (information), Law (labour relations), Legal practice, Legal studies, Organisational processes, Social sciences, Sociology.
Swinburne	<a href="#">Laws/Arts</a>	Administrative law, Advertising, Australian law and statutory interpretation, Chinese, Cinema and screen studies, Civil procedure and alternative dispute resolution, Commercial law, Company law, Competition law and policy, Contract law, Copyright, Creative writing and literature, Criminal law and procedure, Criminology, Digital advertising technology, Environmental sustainability, Equity and trusts, Federal and state constitutional law, Global studies, History, Indigenous studies, Intellectual property law, Japanese, Journalism, Legal practice and professional conduct, Media industries, Misleading conduct, Patents and designs, Philosophy, Politics and international relations, Professional writing and editing, Property law, Social media, Sociology, Taxation law, Trademarks and related rights.
Uni Melbourne	<a href="#">Arts</a>	Ancient world studies, Anthropology, Arabic studies, Art history, Asian studies, Australian Indigenous studies, Chinese societies (minor), Chinese studies, Classics, Creative writing, Criminology, Development studies (minor), Economics, English and theatre studies, English language studies (minor), Environmental studies (minor), European studies (minor), French studies, Gender studies, Geography, German studies, Hebrew and Jewish studies, History, History and philosophy of science, Indonesian studies, Islamic studies, Italian studies, Japanese studies, Knowledge and learning (minor), Law and justice (minor), Linguistics and applied linguistics, Media and communications, Philosophy, Politics and international studies, Psychology, Russian studies, Screen and cultural studies, Sociology, Spanish and Latin American studies.
VU	<a href="#">Community Development</a>	Community development.

## MATRICES 2019



### ELECTRICAL ENGINEERING

*Electrical engineers design, develop and supervise the manufacture, installation, operation and maintenance of electrical systems. They work on systems for the generation, distribution, utilisation and control of electric power. They also work on electronic systems used for computing, communications and other industrial applications. (Good Universities Guide)*

Electrical Engineering involves the design and study of electronics, power, and electrical systems. Electrical Engineering deals with the problems associated with large-scale electrical systems such as power transmission and motor control.

Read more at [Good Universities Guide - Electrical Engineer](#)

**Electrical engineering degrees are offered at several Victorian universities, and students are encouraged to browse [VTAC](#) for a comprehensive list of courses –**

INSTITUTION	VCE PREREQUISITE SUBJECTS	ATAR 2019
<a href="#">Deakin University</a> G – Geelong Waurin Ponds Campus M – Melbourne Campus	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	71.70(G) 74.30 (M)
<a href="#">Monash University</a> CI – Clayton Campus	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics; Units 3 and 4: a study score of at least 25 in one of Chemistry or Physics.	91.80 (CI)
<a href="#">RMIT University</a> <a href="#">Electrical</a>  <a href="#">Electrical &amp; Electronic</a>  <a href="#">Telecommunications</a> C – City Campus	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	80.65 (C)
	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	80.75 (C)
	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	n/a (C)
<a href="#">Swinburne University</a> <a href="#">Honours</a>  <a href="#">Honours (Professional)</a>  <a href="#">Engineering Practice Degree</a> H – Hawthorn Campus R.C. – Selection based on range of criteria	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	75.20 (H)
	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	83.55 (H)
	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 3 and 4: a study score of at least 20 in one of Maths: Further Mathematics, Maths: Mathematical Methods or Maths: Specialist Mathematics.	R.C. (H)
<a href="#">Victoria University</a> F – Footscray Campus	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in any Mathematics.	n/a (F)

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## ENGINEERING DEGREES MATRIX



Listed below are over 30 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 IN 2019	ATAR 2019
<b>DEAKIN</b> M – Melbourne G – Waurin Ponds	<b>Civil</b>	Civil engineering management, Computer-aided design (CAD), Construction, Engineering (civil), Engineering (fluid), Engineering design, Geotechnical engineering, Materials engineering, Structural engineering, Transportation, Water resources engineering.	<b>71.90 (M)</b> <b>63.40 (G)</b>
	<b>Electrical &amp; Electronics</b>	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.	<b>74.30 (M)</b> <b>71.70 (G)</b>
	<b>Environmental</b>	Environmental engineering, Environmental protection and management, Hydrology, Marine ecosystems, Sustainable infrastructure engineering, Waste management, Water engineering.	<b>70.25 (G)</b>
	<b>Mechanical</b>	Computer-aided design (CAD), Control systems, Engineering (fluid), Engineering (mechanical), Materials engineering, Mechanical design, Systems design.	<b>70.80 (M)</b> <b>67.20 (G)</b>
	<b>Mechatronics</b>	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.	<b>70.55 (M)</b> <b>65.15 (G)</b>
	<b>Software</b>	Artificial intelligence, Computer software, Cyber security, Cyber-physical systems, Data analytics, Data capturing technologies, Data structures and algorithms, Database programming, Embedded systems development, Internet-of-Things, Object-oriented programming, Programming, Robotics Applications, Robotics software, Software architecture, Software design, Software engineering, Software testing, Usability and user experience engineering, Web application development.	<b>64.35 (M)</b>
<b>FEDERATION</b> G – Gippsland B –Ballarat	<b>Civil</b>	Civil Engineering, Construction Management, Environmental Engineering, Geotechnical Engineering, Structural Engineering, Transport Engineering, Water Resources Engineering.	<b>n/a (G)</b> <b>n/a (B)</b>
	<b>Mechanical</b>	Automotive and Energy Efficiency, Design Engineering, Manufacturing Engineering, Mechanical Engineering, Mechanical and Industrial Engineering Technology, Mechanics, Robotics, Vibration and Machine Dynamics.	<b>n/a (B)</b>
	<b>Mechatronic Systems</b>	Computing Engineering, Electronics Engineering, Engineering Management, Manufacturing, Mechanical Engineering, Mechatronics, Robotics, Sensing and Artificial Intelligence, Systems Control.	<b>n/a (G)</b>
	<b>Mining</b>	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.	<b>n/a (B)</b>
<b>LA TROBE</b> M – Melbourne B – Bendigo	<b>Civil</b>	Civil engineering.	<b>67.95 (M)</b> <b>67.30 (B)</b>
	<b>Industrial Engineering</b>	Engineering (industrial), Engineering design, Engineering enterprise, Engineering industry 4.0, Engineering innovation, Project management, Systems engineering.	<b>66.10 (M)</b> <b>71.05 (B)</b>
<b>MONASH</b> Cl – Clayton	<b>Aerospace *</b>	Aerodynamics, Aeronautical, Aerospace Engineering, Avionics, Engineering.	<b>91.90 (Cl)</b>
	<b>Engineering *</b>	Aerospace engineering, Chemical engineering, Civil engineering, Electrical and computer systems engineering, Engineering, Environmental engineering, Materials engineering, Mechanical engineering, Mechatronics engineering, Resources engineering, Software engineering.	<b>91.80 (Cl)</b>
	<b>Software *</b>	Engineering, Software engineering.	<b>92.00 (Cl)</b>
<b>RMIT</b> C – City C/B – City & Bundoora	<b>Advanced Manufacturing &amp; Mechatronics</b>	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.	<b>80.00 (C/B)</b>
	<b>Aerospace</b>	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).	<b>81.70 (C/B)</b>
	<b>Automotive</b>	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.	<b>80.95 (C/B)</b>
	<b>Biomedical</b> <i>Any maths</i>	Bioinformatics, Biomedical Signal and Image processing, Biomedical instrumentation, Cell Biology, Chemistry, Circuit Theory, Engineering biomechanics and biomaterials, Human physiology, Implant and Rehab Engineering, Physics, Programming.	<b>80.80 (C)</b>
	<b>Chemical *</b>	Chemical sciences, Environmental, Food science and biotechnology, Metallurgical, Petroleum, Rheology.	<b>80.25 (C)</b>
	<b>Civil &amp; Infrastructure</b>	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.	<b>85.05 (C/B)</b>
	<b>Computer &amp; Network</b>	Computer and network security, Computer engineering, Computer networks, Embedded systems,	<b>84.50 (C)</b>



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<b>RMIT</b> C – City C/B – City & Bundoora		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 and software-defined networking, Reconfigurable processors and devices, Signal and systems, Telecommunications (systems and networks), Wireless technologies.	
	<b>Electrical</b>	Control systems, Electrical distribution, Electrical energy conversion, Electrical engineering, Electrical transmission, Industrial automation, Microprocessor control systems.	<b>80.65 (C)</b>
	<b>Electrical &amp; Electronic</b>	Circuits and electronics, Communication systems, Computer engineering, Computer networks, Control systems, Digital and analogue electronics, Electrical systems, Electronic systems, Photonics, Signal processing, Wireless technologies.	<b>80.75 (C)</b>
	<b>Environmental</b>	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.	<b>80.00 (C/B)</b>
	<b>Mechanical</b>	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.	<b>80.00 (C/B)</b>
	<b>Software Engineering</b>	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.	<b>85.15 (C)</b>
	<b>Sustainable Systems</b>	Chemistry fundamentals, Computer-aided design, Electrical energy systems, Intelligent transport systems, Engineering Capstone Project, Engineering computing, Engineering design for sustainability, Fluid mechanics, Humanitarian Experiential Learning Project, Life cycle and systems assessment, Mathematics, Mechanics and materials, Professional Engineering Experience, Renewable energy systems, Statistics, Sustainable engineering logistics systems, Sustainable engineering materials, Sustainable system design, Sustainable transport systems, Systems engineering principles, Thermodynamics.	<b>83.85 (C/B)</b>
	<b>Telecommunications</b>	Antennas, Circuits and electronics, Communication systems and theories, Digital signal processing, Electronic systems, Electronics, Engineering (communication), Engineering (electronics), Engineering (telecommunications), Engineering design, Fibre optical technology, Industrial and Defence radar technologies, Internet Engineering, Modern network engineering, Network security, Optoelectronics and Photonics, Satellite communications, Telecommunications (transmission systems), Wireless and Mobile communications, Wireless technologies.	<b>n/a (C)</b>
<b>SWINBURNE</b> H – Hawthorn  * Professional Degree  # Any maths required  R.C. – Range of Criteria used for selection	<b>Engineering</b>	Architectural engineering, Biomedical engineering, Civil engineering, Construction engineering, Electrical and electronic engineering, Mechanical engineering, Product design engineering, Robotics and mechatronics, Software engineering, Telecommunications engineering.	<b>75.20 (H)</b> <b>83.55 (H) *</b>
	<b>Engineering Practice #</b>	Industry 4.0, Internet of Things and People, Products Designed for People, Smart Cities.	<b>R.C. (H)</b>
<b>VICTORIA</b> FP – Footscray Park          # Engineering degrees at VU require <u>any maths</u>	<b>Architectural #</b>	Architectural Engineering, Architecture.	<b>n/a (FP)</b>
	<b>Civil #</b>	Engineering (Civil engineering).	<b>n/a (FP)</b>
	<b>Electrical &amp; Electronic #</b>	Engineering (Electrical and Electronic Engineering).	<b>n/a (FP)</b>
	<b>Mechanical #</b>	Engineering (Mechanical Engineering).	<b>n/a (FP)</b>

## MATRICES 2019



### CAREER IN EVENT PLANNING

The Good Universities Guide indicates that an **event planner** or **event coordinator** plans and organises special events, including parties, wedding receptions, product launches, banquets, sporting events, meetings, conferences, and conventions. Successful event planners –

- enjoy working with people
- good organisational and time management skills
- have every attention to detail
- good interpersonal and supervisory skills
- good communication skills
- neat personal appearance
- comfortable working with computers
- able to negotiate, delegate and work under pressure

Depending on the size of the establishment, events coordinators may work independently or as part of a team. They often work irregular hours, and on weekends and public holidays.

Learn more at [Good Universities Guide - Events](#)

There are a number of institutions in Victoria that offer courses, or majors, in event management, and some of these include –

INSTITUTION	COURSE	VCE ENTRY REQUIREMENTS
Box Hill Institute	<a href="#">Diploma of Events</a>	n/a
Holmesglen Institute	<a href="#">Diploma of Events/Certificate III in Live Production</a>	Year 12
La Trobe University	<a href="#">Bachelor of Business</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.
	<a href="#">Bachelor of Business (Event Management)</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.
	<a href="#">Bachelor of Business (Event Management/Marketing)</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.
Melbourne Polytechnic	<a href="#">Diploma of Event Management</a>	n/a
	<a href="#">Bachelor of Hospitality Management</a>	Units 3 and 4: a study score of at least 20 in any English.
Swinburne University	<a href="#">Diploma of Event Management</a>	n/a
Victoria University	<a href="#">Bachelor of Business (Event Management)</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.
William Angliss Institute	<a href="#">Diploma of Event Management</a>	n/a
	<a href="#">Advanced Diploma of Event Management</a>	n/a
	<a href="#">Bachelor of Event Management</a>	An ATAR is used as part of selection

For a comprehensive list of all events courses offered by all Victorian institutions, visit [VTAC](#)

# MATRICES 2019



## EXERCISE SCIENCE & SPORT DEGREES IN VICTORIA



UNIVERSITY	COURSES	VCE PREREQUISITE SUBJECTS	ATAR 2019
<b>ACU</b> M - Melbourne	<b>Exercise &amp; Sport Science</b>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Biology, Chemistry, any Mathematics, Physical Education, Physics or Psychology.	<b>58.55 (M)</b>
	<b>High Performance Sport</b>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Biology, Chemistry, any Mathematics, Physical Education, Physics or Psychology.	<b>59.05 (M)</b>
<b>DEAKIN</b> M – Melbourne G – Geelong Waurin Ponds	<b>Business (Sport Management)</b>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	<b>80.25 (M)</b>
	<b>Exercise &amp; Sport Science</b>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	<b>62.00 (G)</b> <b>70.25 (M)</b>
	<b>Sport Development</b>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	<b>63.50 (M)</b>
<b>FEDERATION</b> Mt.H – Mt. Helen, Ballarat	<b>Exercise &amp; Sport Science</b>	Units 1 and 2: satisfactory completion in two units (any study combination) of Maths: General Mathematics, Maths: Mathematical Methods or Maths: Specialist Mathematics or Units 3 and 4: any Mathematics; Units 3 and 4: a study score of at least 20 in any English.	<b>40.15 (Mt H)</b>
<b>LA TROBE</b> AW – Albury Wodonga B – Bendigo M - Melbourne	<b>Business (Sport Development &amp; Management)</b>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	<b>51.20 (B)</b>
	<b>Business (Sport Management)</b>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	<b>n/a (AW)</b> <b>50.45 (M)</b>
	<b>Exercise Science</b>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in two of Biology, Chemistry, any Mathematics, Physical Education or Physics.	<b>66.20 (B)</b>
	<b>Exercise and Master Physiology</b>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in two of Biology, Chemistry, any Mathematics, Physical Education or Physics.	<b>72.60 (B)</b>
	<b>Sport and Exercise Science</b>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in two of Biology, Chemistry, Health And Human Development, any Mathematics, Physical Education or Physics.	<b>66.65 (M)</b>
<b>RMIT</b> Bu - Bundoora	<b>Exercise &amp; Sport Science</b>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Biology, Chemistry, Maths: Mathematical Methods, Maths: Specialist Mathematics, Physical Education or Physics.	<b>60.75 (Bu)</b>
<b>SWINBURNE</b> H - Hawthorn	<b>Exercise and Sport Science</b>	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 3 and 4: a study score of at least 20 in any Mathematics.	<b>61.15 (H)</b>
<b>VIC UNI</b> F – Footscray F/ S.A – Footscray / St. Albans  * Sport and Exercise Science (Chancellor's Scholarship of \$5000 for 90+ ATAR)	<b>Biomedical &amp; Exercise Science *</b>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in two of Biology, Chemistry, Health and Human Development, any Mathematics or Physical Education.	<b>72.90 (F/ S.A)</b>
	<b>Exercise Science - Clinical Practice *</b>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	<b>n/a (F)</b>
	<b>Exercise Science – Sport Practice *</b>		<b>60.25 (F)</b>
	<b>Sport Management *</b>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	<b>n/a (F)</b>

For a comprehensive list of courses, including double degrees, on offer at both TAFEs and universities, visit [VTAC](http://www.vtac.edu.au).

# MATRICES 2019



## GRAPHIC, INTERIOR & VISUAL DESIGN DEGREES IN VICTORIA



UNIVERSITY	VCE PREREQUISITE SUBJECTS	SELECTION & ATAR FOR 2019
<b>ACU</b> M – Melbourne Campus	<b>Creative Arts</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.)	60.40 (M) <b>Selection: ATAR</b>
	<b>Visual Arts and Design</b> (Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL. Studies in one of Art, Studio Arts or Visual Communication Design recommended.)	59.10 (M) <b>Selection: ATAR</b>
<b>DEAKIN</b> GW – Geelong Waterfront M – Melbourne Campus	<b>Visual Arts</b> (Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL)	60.80 (GW) and 52.50 (M) <b>Selection: Folio &amp; Statement, and ATAR</b>
	<b>Visual Communication</b> (Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL)	52.50 (GW) 52.50 (M) <b>Selection: Online Folio, and ATAR</b>
<b>LA TROBE</b> B – Bendigo Campus M – Mildura Campus	<b>Creative Arts (Visual Arts)</b> (Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.)	53.40 (B), n/a (M) <b>Selection: ATAR</b>
<b>MONASH</b> C – Caulfield Campus	<b>Design</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.)	75.05 (C) <b>Selection: ATAR</b>
	<b>Fine Arts</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.)	Range of Criteria (C) <b>Selection: Folio, Folio Presentation, Interview, and ATAR</b>
<b>RMIT</b> C – City Campus	<b>Communication Design</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL)	Range of Criteria (C) <b>Selection: Communication Design Task, and ATAR</b>
	<b>Fine Arts</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL)	Range of Criteria (C) <b>Selection: Pre-selection Kit, Folio Presentation, and ATAR</b>
	<b>Graphic Design Associate Degree</b> (Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.)	Range of Criteria (C) <b>Selection: Selection kit, Folio Presentation, and ATAR</b>
	<b>Interior Decoration &amp; Design Associate Degree</b> (Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.)	Range of Criteria (C) <b>Selection: Selection kit, Folio and ATAR</b>
	<b>Interior Design</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL)	Range of Criteria (C) <b>Selection: Selection kit, Folio Presentation, and ATAR</b>
<b>SWINBURNE</b> H – Hawthorn Campus	<b>Communication Design (Honours)</b> (Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 3 and 4: a study score of at least 20 in one of Art, Product Design And Technology, Media, Interactive Digital Media C, Creative And Digital Media (VCE VET) I, Studio Arts or Visual Communication Design.)	85.60 (H) <b>Selection: ATAR</b>
	<b>Design</b> (Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 3 and 4: a study score of at least 20 in one of Art, Product Design and Technology, Media, Interactive Digital Media C, Creative And Digital Media (VCE VET) I, Studio Arts or Visual Communication Design.)	62.40 (H) <b>Selection: ATAR</b>
<b>UNI MELBOURNE</b> P – Parkville Campus VCA – Victorian College of the Arts in Southbank	<b>Design</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.) * For major in Digital technologies or Graphic design	86.20 (P) <b>Selection: ATAR</b>
	<b>Fine Arts (Visual Art) at the VCA</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.)	Range of Criteria (VCA) <b>Selection: Supplementary Form, Folio and Interview, and ATAR</b>

## MATRICES 2019



### HEALTH SCIENCE DEGREES



*Are your strengths in health? Are you interested in how the body works?*

Below is a list of many health science degrees offered at Victorian Universities that lead to very diverse career opportunities. For a comprehensive list of health sciences courses, including double degrees, on offer at both TAFEs and universities, visit [VTAC](http://VTAC).

INSTITUTION	COURSE	VCE PREREQUISITES	MAJOR STUDIES IN 2019
ACU	<a href="#">Physical Activity &amp; Health Science</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Physical Activity
CHARLES STURT	<a href="#">Health and Rehabilitation Science</a>	n/a	Health sciences, Human biology, Rehabilitation.
DEAKIN	<a href="#">Health Sciences</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Disability and inclusion, Environmental health, Exercise science, Family, society and health, Food studies, Health and sustainability, Health promotion, Medical biotechnology, Nutrition, Physical activity and health, Psychological science, Psychology for professional Development.
FEDERATION	<a href="#">Health Sciences</a>	Units 3 and 4: a study score of at least 20 in any English.	A generic stream with a focus on Health Promotion and Management or, specific study streams in either 'Leading and Management' or 'e-Health and Informatics'.
LA TROBE	<a href="#">Health Sciences</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Biology, Chemistry, any Mathematics, Physical Education or Physics.	Health and sustainability, Health promotion, Human physiology and anatomy, Public health, Rehabilitation counselling, Sports counselling & athlete welfare.
MONASH	<a href="#">Health Sciences</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Anatomy, Biostatistics, Epidemiology, Forensic medicine, Global Health, Health and Human Development, Health promotion, Health sciences, Healthcare, Human health, Physiology, Public health, Social sciences.
RMIT	<a href="#">Health Sciences (Associate Degree)</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Health and Nutrition, Understanding the Psychology of Health and Exercise in Health, Human Biology and Understanding disease processes and treatment., Law and Ethics in Health and Healthcare in Australia, Project Management in Health and Health; Industry Project and Practice.
SWINBURNE	<a href="#">Health Science (3-year degree)</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Applied statistics, Biomedical science, Clinical technologies, Digital health and informatics, Health promotion, Neuroscience, Nutrition, Psychology and forensic science, Psychology, and psychophysiology.
	<a href="#">Health Science (Professional) (4-year degree paid work placement)</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Applied statistics, Biomedical science, Clinical technologies, Digital health and informatics, Health promotion, Neuroscience, Nutrition, Psychology and forensic science, Psychology, and psychophysiology.
VICTORIA	<a href="#">Health Science</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Indigenous health, Public health.

## MATRICES 2019



### CAREER IN HUMAN RESOURCES



The Good Universities Guide\* states that *Human Resources Officers provide administration services for the recruitment and employment of staff. In small organisations, Human Resources Officers are usually responsible for all staffing matters. In large organisations they may specialise in a particular area such as recruitment, wages and entitlements or staff training.*

#### Personal requirements of a Human Resources Officer -

- Good planning, organisational, analytical and decision-making skills
- Good oral and written communication skills
- Tactful and discrete when dealing with people and confidential information

\* [Good Universities Guide - Human Resources Officer](#)

Training to become a Human Resources Officer can take place at TAFE or university. Below are some of the courses offered in Victoria. Often human resource majors are offered in business and commerce courses at TAFE and university. **For a comprehensive list of all courses offering studies in human resources, including double-degree options, visit [VTAC](#)**

INSTITUTION	COURSE	MAJOR STUDIES IN 2019
<b>Federation University</b>	Bachelor of Business (Human Resource Management)	Accounting, Business, Economics and Finance, Human Resource Management, Information Technology, Law, Management, Marketing, Professional Experience.
<b>Holmesglen Institute</b>	Diploma of Human Resources Management	Emotional Intelligence, Employment law, Finance, Human resource management, Occupational health and safety, Performance management, Project Work, Recruitment and selection, Workforce planning.
<b>Kangan Institute</b>	Advanced Diploma of Leadership and Management	Accounting, Budgeting, Business planning, Change management, Customer Service, Employee relations, Employment Law, Finance, Human resource management, Human resources (performance management), Industrial relations, Leadership and Management, Organisational Change, Project Management, Recruitment and Selection, Strategic management, Strategic planning.
<b>La Trobe University</b>	Bachelor of Business (Human Resource Management)	Business, Human Resource Management.
<b>RMIT University</b>	Bachelor of Business (Human Resource Management)	Business, Employment Relations, Human Resource Development, Human Resource Management, International Business, International Human Resources, Management.
<b>Swinburne University</b>	Diploma of Human Resources Management	Human resource services, Human resources, Industrial relations, Managing projects, Mediation processes, Organisational change, Workforce planning.
<b>Victoria University</b>	Bachelor of Business (Human Resource Management)	Accounting, Banking and Finance, Event Management, Financial Risk Management, Human Resource Management, Information Systems Management, International Hospitality Management, International Tourism Management, International Trade, Management and Innovation, Marketing, Music Industry, Supply Chain and Logistics.

## MATRICES 2019



### INFORMATION TECHNOLOGY DEGREES



Several Victorian universities offer a broad range of **Information Technology** degrees and below is a list of many of these courses. **For a comprehensive list of courses (including the many double-degree options) on offer at both TAFEs and universities, visit [VTAC](#).**

INSTITUTION	VCE PREREQUISITES	MAJOR STUDIES IN 2019
<b>CHARLES STURT</b>	n/a <b>2019 ATAR: n/a</b>	Computer programming, computing, computing (networks), object-orientated programming, software engineering, systems administration, systems analysis.
<b>CQU</b>	Units 3 and 4: a study score of at least 25 in any English. <b>2019 ATAR: n/a</b>	Application Development, Business Analysis, Network Security.
<b>DEAKIN</b>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL. <b>2019 ATAR: 60.00 (M) 62.30 (G)</b>	Animation (games), Application development, Cloud computing, Computer and network security, Computer networks, Computer programming, Creative technologies, Cyber security, Databases, Distributed systems and applications, Game programming, Games development, Information technology, Networking (CISCO curriculum), Object-oriented design, Object-oriented programming, Operating systems, Programming, Project management, Security and management, Software development, Systems and networks, Virtual and augmented reality, Web applications programming, Web design.
<b>FEDERATION</b>	Units 3 and 4: a study score of at least 20 in any English. <b>2019 ATAR: 33.55 (Be), 31.90 (Gi), 53.05 (Ba)</b>	Big Data & Analytics, Cloud & Enterprise Computing, Communications & Technology, Data Modelling, Game Development Fundamentals, IT Problem Solving, IT Project Management Techniques, Mobile Development Fundamentals, Professionalism & Entrepreneurship, Systems Modelling, Understanding the Digital Revolution, User Experience, Web Design.
<b>LA TROBE</b>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL. <b>2019 ATAR: 52.10 (M) 53.10 (Be)</b>	Big data, Computer applications, Computer networks, Database systems, Information Technology, Information systems, Information systems management, Multimedia authoring, Object-oriented development, Project management, Software development, Software engineering, Systems and software engineering, Systems design and development, Web applications programming, Website development.
<b>MONASH</b>	Units 1 and 2: satisfactory completion in two units (any study combination) of Maths: General Mathematics, Maths: Mathematical Methods or Maths: Specialist Mathematics or Units 3 and 4: any Mathematics; Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL. <b>2019 ATAR: 80.15 (C)</b>	Business information systems, Computer networks and security, Computer programming, Computer science (minor), Computing, Cybersecurity (minor), Data science (minor), Digital humanities, Games design (minor), Games development, IT for business (minor), Information management, Information technology, Interactive media, Mobile apps development (minor), Software development, Software engineering (minor), Web development (minor).
<b>RMIT</b>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in any Mathematics. <b>2019 ATAR: 67.05 (C)</b>	Business IT, Data networks, Database administration, Databases, Graphics, Information technology, Internet technology, Networks and data communications, Object-oriented modelling, Object-oriented programming, Problem solving, Professional practice, Programming, Programming (.NET), Programming (C#), Programming (C), Programming (Java), Programming (PHP), Security, System administration.
<b>SWINBURNE</b>	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL). <b>2019 ATAR: 60.00 (H)</b>	Business systems, Network technology, Software technology, Systems analysis, Systems management.
<b>VICTORIA</b>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in any Mathematics. <b>2019 ATAR: n/a (FP)</b>	Network and system computing, Web and mobile application development.

# MATRICES 2019



## LAW UNDERGRADUATE DEGREES IN VICTORIA

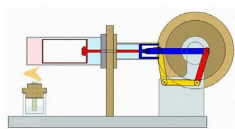


INSTITUTION	COURSES	ATAR FOR 2019
<b>Australian Catholic University (M)</b> Visit <a href="#">ACU - Law</a> M – Melbourne campus	Laws	75.55
	Arts/Laws	75.05
	Biomedical Science/Laws	n/a
	Business Administration/Laws	n/a
	Commerce/Laws	75.25
	Laws/Global Studies	75.45
	Psychological Science/Laws	75.55
	Theology/Laws	n/a
<b>Deakin University (G, M, W)</b> Visit <a href="#">Deakin - Law</a> M – Melbourne campus G – Geelong Waterfront campus	Laws	84.05 (G), 90.15 (M)
	Arts/Laws	85.05 (G), 91.15 (M)
	Commerce/Laws	85.40 (G), 90.75 (M)
	Criminology/Laws	86.10(G), 91.00 (M)
	Laws/International Studies	85.30 (G), 90.70 (M)
	Property & Real Estate/Laws	n/a (M)
	Science/Laws	n/a (M)
<b>La Trobe University (B, M)</b> Visit <a href="#">La Trobe - Law</a> M – Melbourne campus B – Bendigo campus	Laws	n/a (B), 90.75 (M)
	Commerce/Laws	91.60 (M)
	Laws/Arts	n/a (B), 90.80 (M)
	Law (Honours)/Biomedical Science	n/a (M)
	Laws/Business	n/a (B)
	Laws/Criminology	n/a (B), 91.05 (M)
	Laws/International Relations	n/a (M)
	Laws/Media and Communication	n/a (M)
	Laws/ Politics, Philosophy and Economics	n/a (M)
	Laws/Psychological Science	n/a (B), 92.60 (M)
Laws/Science	n/a (B), 96.00 (M)	
<b>Monash University (Cl)</b> Visit <a href="#">Monash - Law</a> Cl – Clayton campus	Laws (Honours)	98.00
	Law (Honours)/Arts	98.00
	Law (Honours)/Biomedical Science	98.30
	Laws (Honours)/Commerce	98.00
	Laws/Computer Science	n/a
	Laws (Honours)/Criminology	n/a
	Law (Honours)/Engineering	98.00
	Law (Honours)/Global Studies	98.00
	Laws/Information Technology	n/a
	Laws (Honours)/Music	Range of Criteria (RC)
	Laws (Honours)/Science	98.00
<b>Swinburne University (H)</b> Visit <a href="#">Swinburne - Law</a> H – Hawthorn campus	Laws	n/a
	Laws/Arts	90.10
	Laws/Aviation Management	n/a
	Laws/Business	90.55
	Laws/Business Information Systems	n/a
	Law/Computer Science	n/a
	Laws/Engineering	n/a
	Laws/Innovation and Design	n/a
	Laws/Media and Communication	n/a
	Laws/Science	n/a
<b>Victoria University (C &amp; F)</b> Visit <a href="#">Victoria - Law</a> C & F – City and Footscray Park C – City campus	Laws	78.30 (C )
	Laws/Arts	82.45 (C & F)
	Laws/Business	79.75 (C & F)
	Laws/Psychology	n/a (C & F)

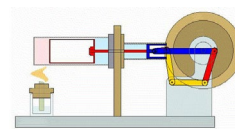
Visit [Getting into a Law Degree](#), [The Australian Law Students' Association](#), and [VTAC](#)



## MATRICES 2019



### MECHANICAL ENGINEERING



*Mechanical engineers plan, design and oversee the development, installation, operation and maintenance of machinery. They conduct research to solve practical engineering problems and improve efficiency - [Good Universities Guide - Mechanical Engineer](#)*

**Mechanical engineering is offered at the following Victorian Universities –**

INSTITUTION	VCE REQUIREMENTS	ATAR 2019
<b><a href="#">Deakin University</a></b> G – Geelong Waurin Ponds Campus M – Melbourne Campus	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>67.20 (G)</b> <b>70.80 (M)</b>
<b><a href="#">Federation University</a></b> MH – Mount Helen Campus	Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics; Units 3 and 4: a study score of at least 20 in any English.	<b>n/a (MH)</b>
<b><a href="#">Monash University</a></b> CI – Clayton Campus	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics; Units 3 and 4: a study score of at least 25 in one of Chemistry or Physics.	<b>91.80 (CI)</b>
<b><a href="#">RMIT University</a></b> <a href="#">Engineering Degree</a>  <a href="#">Associate Degree Engineering Technology</a>  C/B – City & Bundoora C - City	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>80.00 (C/B)</b>
	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>41.80 (C)</b>
<b><a href="#">Swinburne University</a></b> <a href="#">Engineering Degree (Prof)</a>  <a href="#">Engineering Degree</a>  <a href="#">Engineering Practice Degree</a>  H – Hawthorn Campus R.C. – Selection based on range of criteria	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>83.55 (H)</b>
	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>75.20 (H)</b>
	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 3 and 4: a study score of at least 20 in one of Maths: Further Mathematics, Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>R.C. (H)</b>
<b><a href="#">Victoria University</a></b> FP – Footscray Park	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in any Mathematics.	<b>n/a (FP)</b>

**For a comprehensive list of similar courses, double degrees, and major studies, visit [VTAC](#).**

# MATRICES 2019



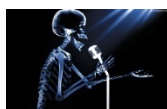
## MEDIA & JOURNALISM DEGREES IN VICTORIA

Many universities in Victoria offer *advertising, media, media & communication, and/or journalism* degrees, and many of these are listed below. These areas of interest are often also offered as majors in Arts degrees.

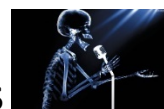
For a comprehensive list of all courses (including double-degree options) visit [VTAC](#).

INSTITUTION	COURSE NAME	MAJOR STUDIES IN 2019	ATAR 2019
<b>ACU</b> M - Melbourne	Media Production	Media Production.	<b>58.70 (M)</b>
<b>DEAKIN</b> M – Melbourne GW – Geelong W’ Ponds	Communication (Advertising)	Account management, Account planning, Advertising and society, Art direction, Brand communication futures, Brand narratives, Branded content, Campaign planning, Client relationships, Consumer personas, Copywriting, Creative process, Digital disruption, Global advertising, Internship, Media management, Social media for brands, Strategic communication, Transmedia storytelling.	<b>60.35 (M)</b>
	Communication (Digital Media)	Digital and social media, Gamified media, Media and cultural industries, Media genre and cultural representation, Media policy regulation and censorship in global contexts, Quantified media.	<b>62.65 (M)</b> <b>56.30 (GW)</b>
<b>LA TROBE</b> M - Melbourne	Media & Communication (Journalism)	Journalism	<b>55.70 (M)</b>
	Media & Communication (Media Industry)	Media industries, Media production.	<b>55.10 (M)</b>
	Media & Communication (Public Relations)	Public relations, Strategic communication.	<b>57.55 (M)</b>
	Media & Communication (Sports Journalism)	Journalism (Sport)	<b>56.45 (M)</b>
<b>MONASH</b> Ca – Caulfield	Media Communication	Digital humanities, Journalism, Media, Public relations, Screen.	<b>80.00 (Ca)</b>
<b>RMIT</b> C – City  R.C. – Range of Criteria for selection	Communication (Advertising)	Advertising, Advertising Briefs, Advertising Campaigns, Advertising Communication, Advertising Concept Development, Advertising Marketing, Advertising Production, Advertising Research, Advertising Strategy, Communications, Concept Development, Consumer Behaviour, E-marketing, E-media, Marketing, Marketing Research, Media Planning, Media Strategy.	<b>R.C. (C)</b>
	Communication (Journalism)	Broadcast journalism, Data journalism, Digital journalism, Journalism, Journalism culture, Journalism ethics, Journalism foundations, Journalism history, Journalism innovation, Journalism law, Journalism practice, Literary journalism, Newsroom practice, Newsroom sociology, Online journalism, Photojournalism, Political journalism, Print journalism, Radio Journalism, TV journalism.	<b>81.35 (C)</b>
	Communication (Media)	Asian media and culture, Broadcast media production, Cinema, Communication, Film production, Internet and multimedia, Literature, Live media, Media, Media industries, New media, Online media production, Politics and economies, Popular culture, Radio production, Social media production, Video production.	<b>78.55 (C)</b>
	Communication (Prof Communication)	Advertising, Asian studies, Cinema studies, Communication, Journalism, Literature, Media production, Politics, Popular culture, Public relations.	<b>82.90 (C)</b>
<b>SWINBURNE</b> H – Hawthorn  * Professional Degree	Communication Design	20th century design, Brand and identity design, Communication design strategy, Concepts and narratives, Design for production, Design research, Digital design, Graphic design, Information design, Methods of investigation, Packaging design, Photography for design, Publication design, Typography, Visual communication, Web design.	<b>85.60 (H)</b>
	Media & Communication	Advertising, Cinema and screen studies, Creative writing and literature, Digital advertising technology, Games and interactivity, Journalism, Media industries, Professional Writing and Editing, Public relations, Social media.	<b>60.00 (H)</b> <b>80.10 (H) *</b>
<b>VICTORIA</b> FP – Footscray Park	Screen Media	Screen media.	<b>n/a (FP)</b>

## MATRICES 2019



### MEDICAL IMAGING COURSES



Medical imaging technologists operate X-ray and other imaging equipment, such as MRI and Ultrasound, to produce radiographic images which are used in the diagnosis and subsequent management of disease or injury. Below are links to the specialised medical imaging areas, some of which are detailed in the *Good Universities Guide*: [Nuclear Medicine Technologist](#), [Medical Imaging Technology](#), and a useful links - [So, you want to be a Sonographer?](#), and [Medical Imaging and Radiation Sciences at Monash](#)

**In Victoria students can study specific medical imaging courses (also known as medical radiography or medical radiations or sonography) at the following universities:**

INSTITUTION	COURSE	VCE PREREQUISITES	2019 ATAR
<b>CQU</b> M - Melbourne Campus	<a href="#">Medical Sonography</a>	Year 12 English	83.15 (M)
<b>Deakin University</b>  G - Geelong Waurin Ponds Campus	<a href="#">Medical Imaging</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Biology, Chemistry or Physics; Units 3 and 4: a study score of at least 22 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics or at least 30 in Maths: Further Mathematics.	89.95 (G)
<b>Monash University</b>  C – Clayton Campus *This course is primarily at Clayton with some first year-level units only available at Caulfield.	<a href="#">Radiography and Medical Imaging</a>	Units 3 and 4: a study score of at least 35 in English (EAL) or at least 30 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Biology or Physics; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	98.60 (C)
	<a href="#">Radiation Sciences</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 30 in Maths: Further Mathematics or at least 25 in Maths: Mathematical Methods or at least 25 in Maths: Specialist Mathematics.	84.75 (C) *
<b>RMIT University</b>         B – Bundoora Campus	<a href="#">Medical Radiations (Radiography)</a>	Units 1 and 2: satisfactory completion in one of Biology or Chemistry or Units 3 and 4: one of Biology or Chemistry; Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	94.55 (B)
	<a href="#">Medical Radiations (Nuclear Medicine)</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics; Units 3 and 4: a study score of at least 20 in Chemistry.	82.55 (B)
	<a href="#">Medical Radiations (Radiation Therapy)</a>	Units 1 and 2: satisfactory completion in one of Biology or Chemistry or Units 3 and 4: one of Biology or Chemistry; Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	87.70 (B)

# MATRICES 2019



## NURSING AND/OR MIDWIFERY DEGREE COURSES



UNIVERSITY	VCE PREREQUISITE SUBJECTS	ATAR FOR 2019
<a href="#"><b>ACU</b></a> Ba – Ballarat M – Melbourne	<b>Midwifery</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL)	<b>83.80 (M)</b>
	<b>Nursing</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL)	<b>73.70 (M), 58.75 (Ba)</b>
<a href="#"><b>CHARLES STURT</b></a> AW – Albury Wodonga	<b>Nursing</b> (no prerequisite subjects, but maths, biology and English highly recommended)	<b>n/a (AW)</b>
<a href="#"><b>DEAKIN</b></a> G – Geelong Waterfront M – Melbourne W – Warrnambool	<b>Nursing</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL)	<b>70.15 (M), 62.15 (G), 56.35 (W)</b>
	<b>Nursing (Clinical Leadership)</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL)	<b>80.85 (M)</b>
	<b>Nursing/Midwifery</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL)	<b>88.45 (M), 84.90 (G), 74.80 (W)</b>
<a href="#"><b>FEDERATION</b></a> B – Berwick Gi – Gippsland Mt. Helen (Ballarat)	<b>Nursing</b> (Units 1 and 2: satisfactory completion in two units (any study combination) of General Mathematics or Maths: Mathematical Methods or Units 3 and 4: any Mathematics; and a study score of at least 25 in any English)	<b>50.00 (B), 51.45 (Gi), 51.45 (Mt H)</b>
<a href="#"><b>HOLMESGLEN</b></a> Mo – Moorabbin	<b>Nursing</b> (Units 1 and 2: satisfactory completion in one of General Mathematics or Maths: Mathematical Methods or Units 3 and 4: any Mathematics; and a study score of at least 25 in any English)	<b>50.75 (Mo)</b>
<a href="#"><b>LA TROBE</b></a> AW – Albury-Wodonga B – Bendigo Mi – Mildura S – Shepparton	<b>Nursing</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.)	<b>64.85 (M), 53.80 (AW), 56.60 (B), 50.05 (S), 57.15 (Mi)</b>
	<b>Nursing/Midwifery</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.)	<b>84.10 (M) 78.90 (B)</b>
<a href="#"><b>MONASH</b></a> C – Clayton P – Peninsula	<b>Nursing</b> (Units 1 and 2: satisfactory completion in two units (any study combination) of Maths: General Mathematics, Maths: Mathematical Methods or Maths: Specialist Mathematics or Units 3 and 4: any Mathematics; Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.)	<b>76.85(C), 71.00 (P)</b>
	<b>Nursing/Midwifery</b> (Units 1 and 2: satisfactory completion in two units (any study combination) of Maths: General Mathematics, Maths: Mathematical Methods or Maths: Specialist Mathematics or Units 3 and 4: any Mathematics; Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.)	<b>89.10 (P)</b>
<a href="#"><b>RMIT</b></a> Bu - Bundoora	<b>Nursing</b> (Units 1 and 2: satisfactory completion of any Mathematics or Units 3 and 4: any Mathematics; and a study score of at least 30 in English (EAL) or at least 25 in English other than EAL)	<b>60.65 (Bu)</b>
<a href="#"><b>SWINBURNE</b></a> H – Hawthorn	<b>Nursing</b> (Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL)	<b>65.20 (H)</b>
<a href="#"><b>VIC UNI</b></a> St A – St. Albans	<b>Nursing</b> (Units 1 and 2: satisfactory completion in two units (any study combination) of any Mathematics or Units 3 and 4: any Mathematics; Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.)	<b>n/a (St A)</b>
	<b>Midwifery/Nursing</b> (Units 1 and 2: satisfactory completion in two units (any study combination) of any Mathematics or Units 3 and 4: any Mathematics; Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.)	<b>80.40 (St A)</b>

For a comprehensive list of all nursing courses, including double degrees with business, paramedicine, psychology, public health, etc. visit [VTAC](#)

## MATRICES 2019



### NUTRITIONISTS AND DIETITIANS

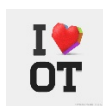
According to the Dietitian Association of Australia (DAA) - [Dietitian Association of Australia \(DAA\)](#), there is a distinction made between dietitians and other occupations in the nutrition and food science field, including that of nutritionist. The key difference between a dietitian and a nutritionist is that, in addition to or as part of their qualification in human nutrition, a dietitian has undertaken a course of study that included substantial theory and supervised and assessed professional practice in clinical nutrition, medical nutrition therapy and food service management. **So, in Australia, all dietitians are nutritionists however nutritionists without a dietetics qualification cannot take on the expert role of a dietitian.**

**Victorian universities offering undergraduate courses in nutrition, food science and/or dietetics include:**

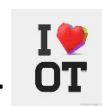
UNIVERSITY	COURSE	VCE PREREQUISITE SUBJECTS	ATAR 2019
<b>ACU</b> (M) – Melbourne	<a href="#">Nutrition Science</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	<b>58.90 (M)</b>
<b>Deakin</b> (M) - Melbourne	<a href="#">Nutrition Science</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	<b>60.15 (M)</b>
<b>Federation</b> (Mt. H) – Mt. Helen (G) - Gippsland	<a href="#">Food &amp; Nutritional Science</a>	Units 3 and 4: a study score of at least 20 in one of any Mathematics or any Science; Units 3 and 4: a study score of at least 20 in any English.	<b>n/a (Mt, H)</b> <b>n/a (G)</b>
<b>La Trobe</b> (M) – Melbourne	<a href="#">Applied Science/Dietetic Practice</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	<b>85.40 (M)</b>
	<a href="#">Human Nutrition</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in two of Biology, Chemistry, any Mathematics, Physical Education or Physics.	<b>64.95 (M)</b>
<b>Monash</b> (C) - Clayton	<a href="#">Nutrition Science - Scholars Program (Dietetics Pathway)</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Biology or Chemistry.	<b>90.20 (C)</b>
	<a href="#">Nutrition Science</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Biology or Chemistry.	<b>75.10 (C)</b>
<b>RMIT</b> (C/B) – City/Bundoora	<a href="#">Science (Food Technology &amp; Nutrition)</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in any Mathematics.	<b>63.10 (C/B)</b>
<b>Victoria</b> (F) - Footscray	<a href="#">Human Nutrition</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Biology, Chemistry, Health And Human Development, any Mathematics or Physical Education.	<b>n/a (F)</b>

**Students are encouraged to browse [VTAC](#) for a comprehensive list, including double degrees!**

## MATRICES 2019



### CAREER AS AN OCCUPATIONAL THERAPIST



Occupational therapists assess and treat people who, due to illness, injury or circumstance, are limited in their ability to undertake everyday activities. They assist people to regain lost functions, develop their abilities and social skills, as well as maintain and promote independence in their everyday lives to enhance health and wellbeing - [Good Universities Guide - Occupational Therapist](#)

Occupational Therapy is offered at the following Victorian Universities –

UNIVERSITY	VCE REQUIREMENTS	ATAR 2019
<a href="#">ACU</a> M - Melbourne	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Biology, Chemistry, Health and Human Development, Physical Education or Physics.	<b>65.50 (M)</b>
<a href="#">Charles Sturt</a> AW – Albury-Wodonga R.C. – Range of Criteria	No VCE prerequisites but completion of Year 12 and an ATAR are used in selection	n/a
<a href="#">Deakin</a> G – Geelong W'Front	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	<b>70.00 (G)</b>
<a href="#">La Trobe</a> B – Bendigo M – Melbourne	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	<b>70.75 (B)</b> <b>75.20 (M)</b>
<a href="#">Monash</a> P - Peninsula	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	<b>82.80 (P)</b>

Log onto [VTAC](#) to find out more about these courses, as well as *Applied Health Assistance* courses offered at various TAFE institutions.



### CAREER AS A PHYSIOTHERAPIST



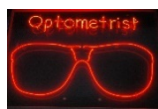
Physiotherapists assess, treat and prevent disorders in human movement caused by injury and disease - [Good Universities Guide - Physiotherapist](#)

Physiotherapy is currently offered at the following Victorian Universities –

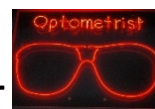
UNIVERSITY	VCE REQUIREMENTS	ATAR 2019
<a href="#">ACU</a> B – Ballarat	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Biology, Chemistry or Physics.	<b>87.55 (B)</b>
<a href="#">Charles Sturt</a> AW – Albury-Wodonga	No VCE prerequisites but maths and science subjects an advantage, and the ATAR is used as part of selection	<b>89.20 (AW)</b>
<a href="#">La Trobe</a> AW – Albury-Wodonga B – Bendigo M – Melbourne Mi – Mildura S – Shepparton	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in two of Biology, Chemistry, any Mathematics, Physical Education or Physics.	n/a (AW) <b>95.30 (B)</b> <b>97.15 (M)</b> n/a (Mi) n/a (S)
<a href="#">Monash</a> P - Peninsula	Units 3 and 4: a study score of at least 35 in English (EAL) or at least 30 in English other than EAL; Units 3 and 4: a study score of at least 25 in two of Biology, Chemistry, Maths: Mathematical Methods, Maths: Specialist Mathematics or Physics.	<b>97.35</b>

Log onto [VTAC](#) to find out more about these courses, as well as *Applied Health Assistance* courses offered at various TAFE institutions.

## MATRICES 2019



### CAREER AS AN OPTOMETRIST



The [Good Universities Guide - Optometrist](#) states that *Optometrists perform eye examinations to determine the presence of vision problems and other eye conditions and disease. They treat or manage these problems by prescribing glasses, contact lenses, optical aids, vision therapy, medication (in the form of eye drops) or referral to an eye surgeon when required. Optometrists need to have a patient and caring manner; be able to carry out accurate and precise work, have good communication skills, and enjoy helping people.*

To become an optometrist a student usually has to study optometry at university. Alternatively, they can complete a degree in vision science or a relevant area at university, followed by a postgraduate qualification in optometry. Prerequisite subjects, or assumed knowledge, in one or more of English, mathematics, chemistry, biology and physics are normally required. Entry to postgraduate courses usually requires completion of an appropriate bachelor degree. A number of universities in Australia offer these degrees. Universities have different prerequisites, and some have flexible entry requirements.

#### Optometry courses on offer in Australia include -

INSTITUTION	COURSE	ENTRY REQUIREMENTS
<a href="#">Deakin University</a>	Bachelor of Vision Science/Master of Optometry	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.
	Master of Optometry	Completion of a Bachelor of Vision Science, or equivalent, with an emphasis on an adequate coverage of vision sciences
<a href="#">Flinders University</a>	Bachelor of Medical Science (Vision Science), Master of Optometry	Assumed knowledge of Maths Methods, Chemistry and Physics
<a href="#">Queensland University of Technology</a>	Bachelor of Vision Science/Master of Optometry	English/EAL, Maths Methods, Chemistry, Physics ATAR 99
<a href="#">University of Melbourne</a>	Doctor of Optometry	An undergraduate degree (or equivalent), and three subjects at second or third year level (or equivalent) in one or more relevant biological science disciplines
<a href="#">University of New South Wales</a>	Bachelor of Vision Science with a Master of Clinical Optometry	English/EAL, Maths Methods, Chemistry, Physics, an ATAR of 98+

## MATRICES 2019



*A paralegal is an individual, qualified by education, training or work experience who is employed or retained by a lawyer, law office, corporation, governmental agency, or other entity and who performs specifically delegated substantive legal work for which a lawyer is responsible. In other words, a paralegal works in the legal industry but is not a lawyer.*

Below are a number of degrees on offer in Victoria. The prerequisite VCE subject is usually an English. Visit [VTAC](http://www.vtac.edu.au) for a comprehensive list including all double degrees on offer.

COURSE	INSTITUTION	MAJOR STUDIES	ATAR 2019
<b>Criminology</b>	<b>DEAKIN</b>	Crime, Crime prevention, Criminal justice, Criminology, Criminology research methods, Criminology theory, Media and crime, Organised crime, Policing, Psychology, Punishment, Risk, Security, Surveillance, Terrorism, Transnational crime, Victimology, Violence.	<b>56.65 (G)</b> <b>60.00 (M)</b>
<b>Forensic Science</b>		Analytical chemistry, Biochemistry, Chemistry, Chemistry (analytical), Chemistry (forensic), Chemistry (medical), Chemistry (organic), Criminology, Forensic analysis, Forensic biology, Forensic chemistry, Forensic investigation, Forensic science, Genetics, Hazardous materials and processes, Molecular and cell biology.	<b>60.35 (G)</b>
<b>Criminal Justice</b>	<b>FEDERATION</b>	Behavioural Studies (Psychology), Community and Human Services, Criminal Justice, Social Sciences.	<b>30.40 (Be)</b> <b>45.10 (Gi)</b> <b>44.25 (Ba)</b>
<b>Criminology</b>	<b>LA TROBE</b>	Access to Justice, Corrections, Crime and Culture, Crime and Inequality, Crime and criminal justice policy, Crime prevention, Criminal justice, Criminal justice administration, Criminological theory and practice, Criminology, Criminology research methods, Ethics, Forensics, Justice, Policing, Psychology, Punishment, Restorative justice, Risk, Security, Surveillance, Terrorism, Transnational crime, Victimology.	<b>67.30 (B)</b> <b>60.60 (M)</b>
<b>Criminology</b>	<b>MONASH</b>	Crime, Crime and justice, Criminal justice system, Criminology.	<b>80.10 (CI)</b>
<b>Criminal Justice</b>	<b>RMIT</b>	Corrections, Crime prevention, Criminal justice administration, Criminology, Forensic investigation, Globalisation, Information security, International law, International studies, Judicial studies, Justice, Law (court processes), Law (criminal), Law (evidence), Legal studies, Management, Police administration, Police studies, Psychology, Youth justice.	<b>80.10 (C)</b>
<b>Criminology &amp; Psychology</b>		Corrections, Crime prevention, Criminal justice administration, Criminology, Customs, Forensic investigation, Forensic psychology, Global justice, Information security, Justice, Law (court processes), Law (criminal), Law (evidence), Law enforcement, Legal studies, Police studies, Psychological testing and assessment, Psychology, Psychology (cognitive), Psychology (developmental), Psychology (personality), Psychology (social), Psychopathology, Youth justice.	<b>83.55 (C)</b>
<b>Legal and Dispute Studies</b>		Dispute resolution and mediation, Human rights, Justice, Law, Law (Family), Law (civil), Law (criminal), Law (evidence), Law (information), Law (labour relations), Legal practice, Legal studies, Organisational processes, Social sciences, Sociology.	<b>70.35 (C)</b>
<b>Criminal Justice and Criminology</b>	<b>SWINBURNE</b>	Advanced topics in criminology, Advanced topics in forensic psychology, Corrections systems and practice, Crime and punishment in the international context, Crime society and culture, Criminal law and process, Criminology theory and practice, Deviance difference and conformity, Introduction to forensic psychology, Introduction to law, Law and social science, Policing systems and practice, Psychology, Sentencing, Technological advances in dealing with crime, Youth justice and crime.	<b>60.00 (H)</b>
<b>Arts (major in Criminology)</b>	<b>MELBOURNE</b>	Ancient world studies, Anthropology, Arabic studies, Art history, Asian studies, Australian Indigenous studies, Chinese societies (minor), Chinese studies, Classics, Creative writing, Criminology, Development studies (minor), Economics, English and theatre studies, English language studies (minor), Environmental studies (minor), European studies (minor), French studies, Gender studies, Geography, German studies, Hebrew and Jewish studies, History, History and philosophy of science, Indonesian studies, Islamic studies, Italian studies, Japanese studies, Knowledge and learning (minor), Law and justice (minor), Linguistics and applied linguistics, Media and communications, Philosophy, Politics and international studies, Psychology, Russian studies, Screen and cultural studies, Sociology, Spanish and Latin American studies.	<b>85.00 (P)</b>
<b>Criminal Justice</b>	<b>VICTORIA</b>	Criminal justice.	<b>n/a (F)</b>
<b>Criminology</b>		Criminology.	<b>n/a (CQ)</b>
<b>Legal Services</b>		Australian legal systems, Law profession.	<b>n/a (C)(F)</b>



## MATRICES 2019



### CAREER AS A PARK RANGER



***Park rangers control, supervise and manage national parks, scenic areas, historic sites, nature reserves and other recreational areas \*\****

Park rangers may perform the following tasks:

- assist with guided tours and promote an understanding and appreciation of the natural and cultural features of the park
- supervise public visits and inform visitors about park facilities, advising of park rules and regulations, and enforcing these when necessary
- patrol waterways, roads and tracks to observe and report on the park environment, including the condition of animals and plants
- ensure endangered animals and plants are protected, and assist with related research projects
- ensure parks, park facilities and equipment are clean and properly maintained
- assist with wildlife management projects, including surveys and monitoring of wildlife
- participate in search and rescue operations
- supervise and coordinate fire management, weed eradication and pest-control programmes
- investigate and report to supervisors on matters relating to park management
- support local communities in protecting their cultural heritage and in developing sustainable land management practices
- conduct research into the protection and recording of Indigenous and historical sites
- supervise and train park staff and volunteers, and oversee crews of general maintenance workers and contractors
- undertake administrative and clerical duties
- prepare, review and implement reports, submissions, management plans, development proposals and environmental impact assessments

\*\* [Good Universities Guide - Park Ranger](#)

There are several professional associations park rangers can be part of, and in Victoria it is [Parks Victoria](#).

There are a number of courses in Victoria that prepare students for a career as a park ranger. Some of these include –

INSTITUTION	COURSES IN 2019
Box Hill Institute	<a href="#">Diploma of Conservation and Land Management</a>
Deakin University	<a href="#">Bachelor of Environmental Science - Environmental Management &amp; Sustainability</a>
	<a href="#">Bachelor of Wildlife and Conservation Biology</a>
Federation University	<a href="#">Diploma of Conservation and Land Management</a>
	<a href="#">Bachelor of Environmental and Conservation Science</a>
Holmesglen Institute	<a href="#">Diploma of Conservation and Land Management</a>
La Trobe University	<a href="#">Bachelor of Outdoor Recreation Education</a>
Melbourne Polytechnic	<a href="#">Diploma of Conservation and Land Management</a>
RMIT University	<a href="#">Diploma of Conservation and Land Management</a>
Swinburne University	<a href="#">Diploma of Conservation and Land Management</a>

For a comprehensive list of all similar courses, visit [VTAC](#)

## MATRICES 2019



The Good Universities Guide states that *paramedics provide pre-hospital emergency care, treatment and specialised transport for patients* - [Good Universities Guide - Paramedic](#)

*Working as an ambulance paramedic means that no two days are ever the same.* What a paramedic does can be as varied as *restarting a patient's heart* down to helping solve social welfare issues. Ambulance paramedics are called when people feel they have no other options and are suffering what feels like an emergency to them. An interesting fact to remember when applying to become a paramedic is that the majority of the workload is not lights and sirens driving to save a patient's life. ***This job is more about helping people in their time of need as opposed to being a hero.***

Visit [Ambulance Victoria - Types of Paramedics](#) to find out more!

The following Victorian universities offer Paramedicine courses:

INSTITUTION	COURSE	VCE REQUIREMENTS	ATAR 2019
<b>Australian Catholic University</b>  (M) – Melbourne (B) – Ballarat	<a href="#">Paramedicine</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	<b>89.70 (M)</b>
	<a href="#">Nursing/Paramedicine</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	<b>75.95 (B)</b>
<b>La Trobe University</b>  (AW) – Albury Wodonga (Be) – Bendigo (Mi) – Mildura (S) - Shepparton	<a href="#">Paramedic Practice with Honours</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in two of Biology, Chemistry, Health and Human Development, any Mathematics, Physical Education, Physics or Psychology.	<b>80.50 (Be)</b> <b>n/a (AW)</b> <b>n/a (S)</b> <b>n/a (Mi)</b>
<b>Monash University</b>  (P) - Peninsula	<a href="#">Paramedicine</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Maths: Further Mathematics or at least 22 in Maths: Mathematical Methods or at least 22 in Maths: Specialist Mathematics.	<b>82.80 (P)</b>
<b>Victoria University</b>  (St. A) – St. Albans	<a href="#">Paramedicine</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	<b>70.70 (St. A)</b>

Log onto [VTAC](#) to find out more about these courses!

# MATRICES 2019



## PERFORMANCE DEGREES



The range of courses listed below are performance-related degrees, in **acting, drama, theatre, dance and music performance**. A limited number of courses require an ATAR only; most courses have a range of selection criteria, such as submission of a supplementary form, an audition, an interview, etc. The only VCE prerequisite for the courses listed below is English/EAL. **For a comprehensive list of all courses with performance-related subjects, visit [www.vtac.edu.au](http://www.vtac.edu.au).**

UNIVERSITY	MAJOR STUDIES IN 2019	SELECTION CRITERIA FOR 2019
<b>ACU</b> M - Melbourne	<b>Creative Arts:</b> Drama, Literature, Media, Music, Visual arts.	<b>Selection:</b> ATAR 60.40 (M)
<b>DEAKIN</b> M - Melbourne	<b>Creative Arts (Drama):</b> Creative arts, Drama, Performing arts, Theatre studies.	<b>Selection:</b> ATAR 63.20 (M)
<b>FEDERATION</b> C – Camp Street Campus	<b>Contemporary Performance Practice:</b> Acting, Dance, Voice.	<b>Selection:</b> Supplementary form, and Audition (C)
<b>LA TROBE</b> B – Bendigo Campus M – Melbourne Campus	<b>Creative Arts (Screen, Theatre &amp; Writing):</b> Screen, Theatre, Writing.	<b>Selection:</b> ATAR n/a (B) and 52.40 (M)
<b>MONASH</b> Cl – Clayton Campus	<b>Music:</b> Composition and music technology, Ethnomusicology, Music, Musicology, Performance (Classical, Jazz and Popular Music, Popular Voice).	<b>Selection:</b> ATAR, Supplementary form, and Audition (Cl)
<b>RMIT</b> M – Melbourne City Campus	<b>Music Industry:</b> DJing, Electronic music, Music, Music business, Music culture, Music history, Music industry, Music marketing, Music media, Music performance, Music production, Music promotion, Music technology, Music video, Popular music, Sound design, World music.	<b>Selection:</b> ATAR 70.45 (M)
<b>UNI MELBOURNE</b>  VCA – Victorian College of the Arts P – Parkville Campus	<b>Fine Arts (Acting):</b> Acting and performance making, Body and voice, Concepts and creativity, Performance practice.	<b>Selection:</b> ATAR, Supplementary form, and Audition (VCA)
	<b>Fine Arts (Dance):</b> Body mind practices, Choreography, Dance technique: Contemporary dance and ballet, Performance.	<b>Selection:</b> ATAR, Supplementary form, and Audition (VCA)
	<b>Fine Arts (Music Theatre):</b> Acting studies, Dance studies, Music theatre combination class, Music theatre contextual studies, New work performance project, Voice studies.	<b>Selection:</b> ATAR, Supplementary form, and Audition (VCA)
	<b>Fine Arts (Theatre):</b> Acting and performance making, Body and voice, Concepts and creativity, Performance practice.	<b>Selection:</b> ATAR, Supplementary form, and Audition (VCA)
	<b>Music:</b> Composition, Ethnomusicology, Interactive composition, Jazz & Improvisation, Music performance, Musicology.	<b>Selection:</b> ATAR, Supplementary form, and Audition (P)
<b>VICTORIA</b> FP – Footscray Park	<b>Music:</b> Music.	<b>Selection:</b> Audition, and Interview (some) (FP)

## MATRICES 2019



### PHARMACY & PHARMACEUTICAL SCIENCE COURSES



The Good Universities Guide states that a [Pharmacist](#) supplies, dispenses and manufactures medicines, whilst, according to the Explore Health Careers website, a [Pharmaceutical Scientist](#) spends more time in the laboratory studying and discovering medicines. **Pharmacy and Pharmaceutical Science undergraduate degrees for school leavers offered in Victoria include:**

UNIVERSITY	COURSE	VCE PREREQUISITES	ATAR FOR 2019
<b>La Trobe University</b> <small>B – Bendigo Campus</small>	Pharmacy (Honours)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Chemistry; Units 3 and 4: a study score of at least 25 in any Mathematics.	<b>82.90 (B)</b>
	<b>Monash University</b> <small>P – Parkville Campus C – Clayton Campus</small>	Pharmacy (Hons) and Master of Pharmacy	Units 3 and 4: a study score of at least 35 in English (EAL) or at least 30 in English other than EAL; Units 3 and 4: a study score of at least 25 in Chemistry; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.
	Pharmacy (Hons) Scholars program/Master of Pharmacy	Units 3 and 4: a study score of at least 35 in English (EAL) or at least 30 in English other than EAL; Units 3 and 4: a study score of at least 25 in Chemistry; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>98.10 (P)</b>
	Pharmaceutical Science	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Chemistry; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>84.30 (P)</b>
	Pharmaceutical Science Advanced (Honours)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Chemistry; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>90.10 (P)</b>
	Chemical Engineering/ Pharmaceutical Science	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Chemistry; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	<b>92.00 (C)</b>
<b>RMIT University</b> <small>B – Bundoora campus C/B – City/Bundoora</small>	Pharmacy (Honours)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Chemistry; Units 3 and 4: a study score of at least 25 in any Mathematics.	<b>75.15 (B)</b>
	Pharmaceutical Sciences	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in Chemistry; Units 3 and 4: a study score of at least 20 in one of any Mathematics or Physics.	<b>66.10 (B)</b>
	Chemical Engineering/ Pharmaceutical Science	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics; Units 3 and 4: a study score of at least 20 in Chemistry.	<b>84.60 (C/B)</b>

Log onto [VTAC](#) to find out more about these and other similar courses!

**Note:** Monash University has been ranked second in the world for Pharmacy and Pharmacology behind Harvard University in the QS 2018 World University Rankings by Subject list. <https://www.topuniversities.com/university-rankings/university-subject-rankings/2018/pharmacy-pharmacology>

# MATRICES 2019



## CAREER IN PROJECT MANAGEMENT

There are so many similar definitions or statements of what a project manager does, and one useful website\* states that project managers *ensure the project is completed on time and within budget, that the project's objectives are met and that everyone else is doing their job properly. Project managers oversee the project to ensure the desired result is achieved, the most efficient resources are used, and the different interests involved are satisfied.*

The website goes on to mention the typical industries project managers work or are employed in –

- Construction companies
- Architects
- Software producers
- Commercial retailers
- Engineering firms
- Manufacturers
- Public sector organisations
- Aviation

\*[Target Jobs UK - Project Management](#)

**There are several universities in Victoria that offer courses or majors focused on equipping students with a qualification or specialisation in project management, and a some of these courses include –**

INSTITUTION	COURSE	VCE PREREQUISITES	2019 ATAR
Charles Sturt University	<a href="#">Management</a>	No VCE prerequisites but an ATAR is used for selection	n/a (SC)
Deakin University	<a href="#">Business Analytics</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	n/a (M)
	<a href="#">Construction Management</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	60.60 (WF)
Federation University	<a href="#">Business Information Systems</a>	Units 3 and 4: a study score of at least 20 in any English.	n/a (B) n/a (Mt. H)
	<a href="#">Information Technology (Big Data and Analytics)</a>	Units 3 and 4: a study score of at least 20 in any English.	n/a (Mt. H)
La Trobe University	<a href="#">Engineering (Industrial)</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	71.05 (Be) 66.10 (M)
	<a href="#">Information Technology</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	53.10 (Be) 52.10 (M)
RMIT University	<a href="#">Aviation</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in any Mathematics.	73.55 (C)
	<a href="#">Engineering (Civil and Infrastructure)</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods (any) or Maths: Specialist Mathematics.	85.05 (C/B)
	<a href="#">Project Management</a>	Units 3 and 4: a study score of at least 20 in any Mathematics; Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	75.00 (C)
	<a href="#">Software Engineering</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods (any) or Maths: Specialist Mathematics.	85.15 (C)
Swinburne University	<a href="#">Aviation Management</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in any Mathematics.	66.30 (H)

Be – Bendigo, B – Berwick, C – City, C/B – City/Bundoora, H – Hawthorn, Mt. H – Mt. Helen (Ballarat), M – Melbourne, SC – CSU Study Centre Melbourne, WF – Geelong Waterfront

**For a comprehensive list of all courses available, visit [VTAC](#)**

## MATRICES 2019



### CAREERS IN PSYCHOLOGY

*Psychology is a popular field of study in Australia and is taught at universities in every state and territory. With diverse workplace settings and areas of expertise, psychology can be a highly rewarding and satisfying career choice. Psychologists who complete postgraduate studies in specific areas of psychology may be eligible to receive area of practice endorsement from the Psychology Board of Australia. Find out more at [Australian Psychological Society \(APS\) - Careers in Psychology](#)*

Students are reminded that, for the most part, the only VCE prerequisite subject for university entry is an English. Students should verify this at [VTAC](#).

Victorian universities that offer dedicated [APAC - Accredited](#) psychology degrees include –

UNIVERSITY	COURSE	ATAR 2019
ACU	<a href="#">Psychology (Honours)</a>	70.85 (M)
	<a href="#">Psychological Science</a>	59.05 (M)
Deakin University	<a href="#">Psychology (Honours)</a>	80.00 (M), 80.20 (G)
	<a href="#">Psychological Science</a>	60.00 (M), 60.00 (G), 77.65 (W)
	<a href="#">Arts (Psychology)</a>	60.10 (M), 55.05 (G)
Federation University	<a href="#">Psychological Science</a>	40.85 (Be), 59.95 (Gi), 48.20 (Ba)
La Trobe University	<a href="#">Psychology (Honours)</a>	83.30 (M), n/a (B), n/a (AW)
	<a href="#">Psychological Science</a>	55.60 (M), 57.90 (B), 57.65 (A)
Monash University	<a href="#">Psychological (Honours)</a>	85.65 (C)
RMIT University	<a href="#">Psychology (Applied Science)</a> *	62.10 (Ci), 65.65 (Bu)
	<a href="#">Psychology (Social Science)</a>	80.40 (Ci)
	<a href="#">Criminology &amp; Psychology</a>	83.55 (Ci)
Swinburne University	<a href="#">Psychology (Honours)</a>	85.35 (H)
	<a href="#">Psychological Sciences</a>	59.45 (H)
Victoria University	<a href="#">Psychology (Honours)</a>	80.15 (FP)
	<a href="#">Psychological Studies</a>	n/a (FP)
	<a href="#">Criminal Justice &amp; Psych. Studies</a>	n/a (FP)

(M) – Melbourne (G) – Geelong Waurnd Ponds (Gi) – Gippsland (Ba) – Mount Helen Ballarat  
 (B) – Bendigo (AW) – Albury-Wodonga (C) – Clayton (Bu) – Bundoora (Ci) – City  
 (H) – Hawthorn (FP) – Footscray Park (W) – Warrnambool (Be) – Berwick

For a comprehensive list of all courses offering psychology, including the many double-degree options, visit [VTAC](#)

## MATRICES 2019



### PUBLIC HEALTH COURSES



[Wikipedia](#) states that *public health* is "the science and art of preventing disease, prolonging life and promoting human health through organized efforts and informed choices of society, organizations, public and private, communities and individuals".

It goes on to say that *public health* aims to improve the quality of life through prevention and treatment of disease, including mental health.

There are a few public health degrees offered by Victorian universities, and these are listed below. **For a comprehensive list of all courses offering studies (majors and minors) in public health, including the many double-degree options, visit [VTAC](#)**

INSTITUTION	COURSE NAME	VCE PREREQS	MAJOR STUDIES	ATAR 2019
ACU	<a href="#">Applied Public Health</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Public Health.	61.05 (M)
Deakin University M – Melbourne Campus G – Geelong Waurin Ponds	<a href="#">Public Health and Health Promotion</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Disability, Environmental health, Exercise science, Family, society and health, Food studies, Health and sustainability, Medical biotechnology, Nutrition, Physical activity and health, Psychology for professional development.	60.25 (M) n/a (G)
Monash University C – Caulfield Campus	<a href="#">Public Health</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in Maths: Further Mathematics or at least 22 in Maths: Mathematical Methods or at least 22 in Maths: Specialist Mathematics.	Epidemiology, Global Health, Health and Human Development, Health promotion, Health sciences, Public health, Public health science, Social science, Sociology.	75.70 (C)

## MATRICES 2019



### CAREER IN PUBLIC RELATIONS



*Public relations officers plan, develop, put into place and evaluate information and communication strategies that present an organisation to the public, clients and other stakeholders. They also promote good information flow within their organisation - [Good Universities Guide - Public Relations Officer](#).*

Several universities in Victoria offer **public relations degrees**, or **public relations** as a **major** in other degrees - some of these are listed below.

**For a comprehensive list of courses offering public relations (including the many double-degree options) on offer at universities, visit [VTAC](#).**

INSTITUTION	COURSE NAME	VCE PREREQs	MAJOR STUDIES IN 2019	ATAR 2019
<b>DEAKIN</b>  M - Melbourne G – Geelong Waurin Ponds	Communication (Public Relations)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Campaigns and event management, Ethical communication, Marketing communication, Media and communication, Media relations, Professional writing, Public affairs, Public relations, Public relations management, Social media, Strategic communication.	<b>66.00 (M)</b> <b>72.90 (GW)</b>
<b>LA TROBE</b>  M - Melbourne	Media and Communication (Public Relations)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Public relations, Strategic communication.	<b>57.55 (M)</b>
<b>MONASH</b>  Ca – Caulfield	Media and Communication	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Digital humanities, Journalism, Media, Public relations, Screen.	<b>80.00 (Ca)</b>
<b>RMIT</b>  C – City	Communication (Professional Communications)	Units 3 and 4: a study score of at least 30 in any English.	Advertising, Asian studies, Cinema studies, Communication, Journalism, Literature, Media production, Politics, Popular culture, Public relations.	<b>82.90 (C)</b>
	Communication (Public Relations)	Units 3 and 4: a study score of at least 32 in any English.	Business practice, Communication management, Communication research, Leadership, Marketing communication, Professional practice, Public relations, Strategic planning, Writing.	<b>80.50 (C)</b>
<b>SWINBURNE</b>  H – Hawthorn * - Professional degree	Media and Communication	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Advertising, Cinema and screen studies, Creative writing and literature, Digital advertising technology, Games and interactivity, Journalism, Media industries, Professional Writing and Editing, Public relations, Social media.	<b>80.10 (H) *</b> <b>60.00 (H)</b>



# MATRICES 2019



## SCIENCE DEGREES



The Bachelor of Science is offered at the following Victorian universities and students are encouraged to visit [VTAC](#) for more information on these and other science-related courses – particularly the **majors** on offer – as well as the numerous double degree options, and/or browse each university link provided below.

UNIVERSITY	VCE PREREQUISITES	ATAR 2019
<b>CHARLES STURT</b> AW – Albury Wodonga	No prerequisite subjects, but ATAR is used in the selection process	n/a (AW)
<b>DEAKIN</b> M – Melbourne campus G – Waurin Ponds campus	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	65.20 (M) 60.00 (G)
<b>FEDERATION</b> Gi – Gippsland campus Mt H – Mt Helen campus	Units 3 and 4: a study score of at least 20 in any English; Units 3 and 4: a study score of at least 20 in one of any Mathematics or any Science.	55.45 (Gi) 54.05 (Mt H)
<b>LA TROBE</b> M – Melbourne campus B – Bendigo campus AW – Albury-Wodonga campus	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 any Mathematics.	65.40 (M) 56.15 (B) n/a (AW)
<b>MONASH</b>           C – Clayton campus R.C. – Range of Criteria	<b>Science</b>  Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Biology, Chemistry, Environmental Science, Geography, Maths: Mathematical Methods, Maths: Specialist Mathematics, Physics or Psychology.	85.00 (C)
	<b>Science Global</b>  Science Advanced – Global Challenges: Units 3 and 4: a study score of at least 35 in English (EAL) or at least 30 in English other than EAL; Units 3 and 4: a study score of at least 30 in one of Biology, Chemistry, Environmental Science, Geography, Maths: Mathematical Methods, Maths: Specialist Mathematics, Physics or Psychology.	R.C. (C)
	<b>Science Research</b>  Science Advanced – Research: Units 3 and 4: a study score of at least 35 in English (EAL) or at least 30 in English other than EAL; Units 3 and 4: a study score of at least 30 in Maths: Mathematical Methods; Units 3 and 4: a study score of at least 30 in two of Biology, Chemistry, Environmental Science, Geography, Maths: Specialist Mathematics, Physics or Psychology.	95.05 (C)
<b>RMIT</b>    C – City campus	<b>Science - Dean's</b>  Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods (any) or Maths: Specialist Mathematics.	71.35 (C)
	Science – Dean's Scholar Program (various streams): Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods (any) or Maths: Specialist Mathematics.	n/a (C)
<b>SWINBURNE</b> H – Hawthorn campus ** Professional degree	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; and a study score of at least 20 in any Mathematics.	67.95 (H) 78.05 (H) **
<b>UNI MELBOURNE</b>    P – Parkville campus	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; and a study score of at least 25 in one of Maths: Mathematical Methods (any) or Maths: Specialist Mathematics; and a study score of at least 25 in one of Biology, Chemistry or Physics. --OR-- Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; and a study score of at least 25 in both of Maths: Mathematical Methods (any) and Maths: Specialist Mathematics.	85.00 (P)
<b>VICTORIA</b> FP – Footscray Park campus	<b>Science - Biotechnology, or Ecology and Environmental Management:</b> Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in any Mathematics.	n/a (FP)

## MATRICES 2019



### TEACHING DEGREES – EARLY CHILDHOOD



Unless otherwise indicated\* Early Childhood teaching degrees all have the same VCE prerequisites: Units 1 and 2: satisfactory completion in two units (any study combination) of General Mathematics or Maths: Mathematical Methods or Units 3 and 4: any Mathematics; and a study score of at least 30 in English (EAL) or at least 25 in English other than EAL. Unless otherwise stated, these degrees are also 4-year degrees. **Students are also to take note that they may be required to sit the [CASPer](#) as part of their selection into a teaching course, attain an ATAR of 70, and may also be required to undertake the [Literacy and Numeracy Test for Initial Teacher Education](#) prior to graduating.**

For a comprehensive list of all teaching courses, campuses they are offered at, their exact prerequisites, their majors, and other double degrees they might be linked to, visit [VTAC](#).

INSTITUTION	COURSE	2019 REQ's
<a href="#">ACU</a>	Early Childhood Education (Birth to Five Years)	ATAR - min 70.00
	Education (Early Childhood and Primary)	ATAR - min 70.00 CASPer <b>or</b> ACU Teacher Selector Statement
<a href="#">CHARLES STURT</a>	Education (Early Childhood and Primary) *	ATAR – 65.10
<a href="#">DEAKIN</a>	Education (Early Years) *	ATAR - min 70.00 CASPer
<a href="#">FEDERATION</a>	Education (Early Childhood and Primary)	ATAR - min 70.00 CASPer
<a href="#">HOLMESGLEN</a>	Early Childhood Teaching	ATAR - min 70.00 Interview
<a href="#">LA TROBE</a>	Early Childhood and Primary Education	ATAR - min 70.00 CASPer
<a href="#">MELBOURNE POLYTECHNIC</a>	Education (Early Years) *	ATAR - min 70.00 Interview
<a href="#">MONASH</a>	Education (Honours) (Early Years and Primary)	ATAR - min 70.00 CASPer
<a href="#">RMIT</a>	Education (Primary and Early Childhood Education)	ATAR - min 70.00 CASPer
<a href="#">SWINBURNE</a>	Education (Early Childhood and Primary) *	ATAR - min 70.00 CASPer
<a href="#">VICTORIA UNIVERSITY</a>	Early Childhood Education *	ATAR – n/a

## MATRICES 2019



### TEACHING DEGREES – PRIMARY



Unless otherwise indicated\* primary teaching degrees all have the same VCE prerequisites:

Units 1 and 2: satisfactory completion in two units (any study combination) of General Mathematics or Maths: Mathematical Methods or Units 3 and 4: any Mathematics; and a study score of at least 30 in English (EAL) or at least 25 in English other than EAL. Unless otherwise stated, these degrees are also 4-year degrees. **Students are also to take note that they may be required to sit the [CASPer](#) as part of their selection into a teaching course, attain an ATAR of 70, and may also be required to undertake the [Literacy and Numeracy Test for Initial Teacher Education](#) prior to graduating.**

Visit [VTAC](#) for a comprehensive list of all teaching courses and the exact prerequisites for entry.

INSTITUTION	COURSE	2019 REQ's
<a href="#">ACU</a>	Education (Primary)	ATAR - min 70.00 CASPer <b>or</b> ACU Teacher Selector Statement
<a href="#">CHARLES STURT</a>	Education (Early Childhood and Primary) *	ATAR – 65.10
	Education (K-12) *	ATAR – 68.85
<a href="#">DEAKIN</a>	Education (Primary) *	ATAR - min 70.00 CASPer
<a href="#">FEDERATION</a>	Education (Early Childhood and Primary)	ATAR - min 70.00 CASPer
	Education (Primary)	
	Education (Primary and Secondary P-10)	
<a href="#">HOLMESGLEN</a>	Early Childhood Teaching	ATAR - min 70.00 Interview
<a href="#">LA TROBE</a>	Education (Primary)	ATAR - min 70.00 CASPer
<a href="#">MONASH</a>	Education (Honours) (Early Years and Primary)	ATAR - min 70.00 CASPer
	Education (Honours) (Primary)	
	Education (Honours) (Primary and Secondary)	
	Education (Honours) (Primary and Secondary Health & PE)	
	Education (Honours) (Primary and Secondary Inclusive Ed)	
	Education (Honours) (Primary)/Arts	
	Education (Honours) (Primary)/Science *	
	Education (Honours) (Primary)/Visual Arts	
Education (Honours) (Primary)/Music	ATAR - min 70.00 CASPer Supplementary Form Audition	
<a href="#">RMIT</a>	Education (Primary Education and Disability Inclusion)	ATAR - min 70.00 CASPer
	Education (Primary and Early Childhood Education)	
	Education (Primary Education)	
	Education (Primary and Physical Education/Sport)	
<a href="#">SWINBURNE</a>	Education (Primary) *	ATAR - min 70.00 CASPer
<a href="#">VIC UNI</a>	Education (P - 12)	ATAR - min 70.00 CASPer

# MATRICES 2019



## TEACHING DEGREES – SECONDARY



Unless otherwise indicated\* secondary teaching degrees all have the same VCE prerequisites: Units 1 and 2: satisfactory completion in two units (any study combination) of General Mathematics or Maths: Mathematical Methods or Units 3 and 4: any Mathematics; and a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.

Unless otherwise stated, these degrees are also 4-year degrees. **Students are also to take note that they may be required to sit the [CASPer](#) as part of their selection into a teaching course, attain an ATAR of 70, and may also be required to undertake the [Literacy and Numeracy Test for Initial Teacher Education](#) prior to graduating.**

**For a comprehensive list of all teaching courses, their exact prerequisites, their majors and other double degrees they might be linked to, visit [VTAC](#).**

INSTITUTION	COURSE	2019 REQ's
<a href="#">ACU</a>	Teaching/Arts (Humanities)	ATAR - min 70.00 CASPer or ACU Teacher Selector Statement
	Teaching/Arts (Mathematics) *	
	Teaching/Arts (Visual Arts) *	
	Teaching/Exercise Science *	
<a href="#">CHARLES STURT</a>	Education (K-12) *	ATAR – 68.65
	Outdoor Education *	ATAR – n/a
<a href="#">DEAKIN</a>	Health and Physical Education *	ATAR - min 70.00 CASPer
	Arts/Master of Teaching (Secondary) *	ATAR
	Science/Master of Teaching (Secondary) *	
<a href="#">FEDERATION</a>	Health and Physical Education *	ATAR - min 70.00 CASPer
	Arts/Education	
	Community and Human Services/Education	
	Mathematical Sciences/Education *	
	Science/Education *	
<a href="#">LA TROBE</a>	Education (Secondary)	ATAR - min 70.00 CASPer
<a href="#">MONASH</a>	Education (Honours) (Primary and Secondary)	ATAR - min 70.00 CASPer
	Education (Honours) (Primary and Secondary Health & PE)	
	Education (Honours) (Primary and Secondary Inclusive Ed)	
	Education (Honours) (Secondary Health & PE)	
	Education (Honours) (Secondary)/Arts	
	Education (Honours) (Secondary)/Science *	
	Education (Honours) (Secondary)/Visual Arts	
	Education (Honours) (Secondary)/Music *	ATAR - min 70.00 CASPer Supplementary Form Audition
<a href="#">RMIT</a>	Health, Physical Education and Sport (Secondary) *	ATAR - min 70.00 CASPer
<a href="#">SWINBURNE</a>	Education (Secondary) *	ATAR - min 70.00 CASPer
	Education (Secondary)/Arts *	
	Education (Secondary)/Science *	
<a href="#">VIC UNI</a>	Education (P - 12) Various Education (P-12) degrees linked to specialised areas	ATAR - min 70.00 CASPer

## MATRICES 2019



### TRAVEL & TOURISM COURSES



Travel and/or tourism courses are offered at a number of Victorian institutions.

Some of these courses are listed below.

Students are encouraged to visit [VTAC](#) for a comprehensive list.

UNIVERSITY	COURSE	MAJOR STUDIES IN 2019
Charles Sturt University	Bachelor of Applied Science (Outdoor Recreation and Ecotourism)	Adventure, ecotourism, mountain biking, nature tourism, outdoor education, outdoor recreation, rock climbing, sea kayaking, snow skiing, white water rafting.
Holmesglen Institute	Diploma of Holiday Park and Resort Management / Diploma of Travel and Tourism Management	Business (accounting), Customer service, E-commerce, Ecotourism, Environmental management, Event management, Guiding, Human resource management, International Travel and Tourism, Marketing, Meetings and conventions management, Natural resource management, Project management, Tourism, Tourism (attractions and theme parks), Tourism (tour guiding), Tourism (tour wholesaling), Tourism (visitor information services), Tourism management, Travel Industry, Travel and tourism management, Travel sales (domestic and international).
	Certificate III in Tourism/ Diploma of Outdoor Recreation	Adventure Based Learning, Bushwalking, First Aid, High Ropes, Outdoor Recreation, Rafting, Tour Guiding.
La Trobe University	Bachelor of Business (Tourism and Hospitality)	Tourism and Hospitality.
Victoria University	Bachelor of Business (Tourism and Hospitality Management)	Accounting, Banking and Finance, Event Management, Financial Risk Management, Human Resource Management, Information Systems Management, International Trade, Management and Innovation, Marketing, Supply Chain and Logistics, Tourism and Hospitality Management.
William Angliss Institute	Bachelor of Tourism	Change and Leadership, Destination Concepts, Economics and Global Impacts, Financial Concepts, Innovation and Entrepreneurship, Introduction to the Tourism Industry, Management, Niche Tourism, People and Place, Planning for Tourism, Risk and Legal Issues, Strategy, Taking Responsibility for Tourism and Hospitality, Tourism Attraction Management, Tourism Distribution Systems, Tourism Futures, Tourism Theories and Concepts, Visitor Services and Experiences.
	Bachelor of Tourism (Ecotourism)	Change and Leadership, Designing and Delivering Thematic Interpretation, Destination Concepts, Economics and Global Impacts, Financial Concepts, Innovation and Entrepreneurship, Introduction to the Tourism Industry, Management, People and Place, Risk and Legal Issues, Strategy, Taking Responsibility for Tourism and Hospitality, Tourism Attraction Management, Tourism Distribution Systems, Tourism Theories and Concepts, Understanding Natural Landscapes, Visitor Services and Experiences.
	Bachelor of Tourism (Marketing)	Change and Leadership, Destination Concepts, Digital and Social Media in Tourism, Economics and Global Impacts, Financial Concepts, Innovation and Entrepreneurship, Introduction to the Tourism Industry, Management, People and Place, Risk and Legal Issues, Strategy, Taking Responsibility for Tourism and Hospitality, Tourism Attraction Management, Tourism Distribution Systems, Tourism Market Research, Tourism Marketing Data and Analytics, Tourism Theories and Concepts, Tourist Behaviour, Visitor Services and Experiences.
	Bachelor of Tourism and Hospitality Management	Current Issues in Tourism and Hospitality, Financial Analysis and Decision Making, Food and Beverage Service Management, Human Resource Operation for the Services Industry, Innovation and Entrepreneurship, Menu Design and Engineering, Project Restaurant, Strategy, Change and Leadership, Tourism Attraction Management, Tourism Theories and Concepts, Wine Design.
	Advanced Diploma of Travel and Tourism Management	Attractions and theme parks, Computer reservation systems, Customer service, Ecotourism, Environmental management, Guiding, International airfares, Meetings and conventions management, Natural and cultural heritage, Natural resource management, Tour wholesaling, Tourism, Travel and Tourism management, Travel sales, Visitor information services.

## MATRICES 2019



### CAREER IN YOUTH WORK AND/OR SOCIAL WORK



According to the [Good Universities Guide - Youth Worker](#), *Youth workers develop and facilitate programs to work with and support young people, either individually or in groups, in order to address social, behavioural, welfare, developmental and protection needs. They work closely with teachers, social and welfare workers, local authorities, health professionals, refuge workers, parents and, in some instances, the police*

***Social workers** help people to deal with personal and social problems, either directly or by planning or carrying out programmes that benefit groups or communities. They are interested in challenging the structural barriers that contribute to inequality, discrimination, exploitation, and oppression within communities. Social workers can specialise in a range of different practice areas such as children and family, youth, violence, and sexual assault, medical and health, child protection, income support, disability, education, aged care, correctional services, family law, youth justice, community legal, psychiatric and general mental health, refugees and migrants, and Indigenous communities. - [Good Universities Guide - Social Worker](#)*

**Students can study Youth Work or Social Work degrees at the following institutions in Victoria:**

INSTITUTION	VCE PREREQUISITE SUBJECTS	ATAR 2019
<b>Australian Catholic University</b> <a href="#">Youth Work</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	58.85
<b>Deakin University</b> <a href="#">Social Work</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	64.50
<b>La Trobe University</b> <a href="#">Human Services/Social Work</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	52.45 (M) 53.05 (AW) 67.25 (Be)
<b>RMIT University</b> <a href="#">Youth Work</a>  <a href="#">Social Work</a>	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	65.05
	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	76.65
<b>Victoria University</b> <a href="#">Youth Work</a>  <a href="#">Social Work</a>	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	n/a
	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	n/a

For a list of other related courses, with double-degree options, visit [VTAC](#).