



St Bede's College

Careers Newsletter No. 3 - 2022



Applications for the 2023 ADF Gap Year are now open

An ADF Gap Year is a unique opportunity for students to experience life in the Navy, Army, or Air Force, without needing to make a long-term commitment. The skills obtained through the ADF Gap Year program will provide them valuable work and life experience and are completely transferable.

It will enable students to develop the confidence for their next endeavours.

Students who take part in the ADF Gap Year program:

- Gain valuable skills and work experience
- Enjoy a great salary package plus free healthcare
- Live a varied, active, and healthy lifestyle
- Make friends with like-minded people
- Have the opportunity to see more of Australia

Applications are open! Learn more and/or apply at [ADF Gap Year](#).

***Students might like to participate in a GAP Year
Virtual Information Session on 23 March 2022
from 6.00pm – 7.00pm.
Register [here](#).***



A reminder about the upcoming Monash Information Evening taking place at our Peninsula Campus.

DATE: Tuesday 5 April

TIME: 6:30pm-8pm

VENUE: Monash Peninsula Campus

RSVP: Please register at this [link](#)

This event is targeted to students in Year 10-12 (and their parents) and provides them with a great overview about the uni, study options, scholarships, admissions schemes and more.



➤ **Monash Explorer**

Discover life at Monash University anytime, anywhere. Select how you would like to explore. Students are encouraged to have a look at the [Monash Explorer](#) web page where students have the option of looking at **areas of study** and which campuses offer the courses, or **campuses** and what courses are offered there.

➤ **Primary Teaching**

Do you dream of making a difference? Do you love awakening young minds? Primary teaching could be the job for you. At degree at Monash will equip students with the skills and techniques to harness young student's natural curiosity and to engage their young minds in learning for life.

Monash has structured its degrees to allow teachers to focus on their chosen specialisation, while gaining qualifications to teach in more than one age group. So, with five ways to get qualified in primary teaching, the [Bachelor of Education \(Honours\)](#) can also qualify students to teach at a secondary level, early childhood, or health and PE.

Changes to Folio Requirements for Creative Arts and Design Courses

Deakin's creative arts and design courses have recently undergone an important update to folio entry requirements.

A folio is now an optional entry requirement. Course selection will still be based on an ATAR. Should an applicant choose to submit a folio (deemed successful), that folio is considered along with the ATAR.



- Deakin recognises creative potential, by allowing applicants to submit a portfolio of their best creative work with their application to showcase their talent and boost their chance of admission into our creative arts and design degrees (excluding drama).
- A folio is an optional entry requirement.
- Submitting a folio will boost an applicant's chance of admission to Deakin by strengthening their application if they are concerned about meeting the ATAR requirements.
- For school leavers, assessment will still be based on their ATAR, but a folio will be considered alongside their ATAR.

Applicants who wish to enhance their application are encouraged to complete the Deakin University folio requirements by the stated deadline.

Learn more about the folio requirements [here](#).



Deakin Campus Tours 2022

Deakin University would like to invite students and their families to participate in its campus tours these upcoming school holidays.

Led by current Deakin students, the 1-hour small group tours are a great way for students to see Deakin's facilities and learning spaces, get a feel for university life, and ask questions about the courses that interest them. Tours will depart daily from 9.00am until 3.00pm, and will run according to university on government COVIDSafe guidelines.

Melbourne Burwood Campus

Date: Monday 11 April OR Wednesday 13 April OR Thursday 21 April

Geelong Waurin Ponds Campus

Date: Thursday 14 April OR Wednesday 20 April

Geelong Waterfront Campus

Date: Tuesday 12 April

Warrnambool Campus

Date: Wednesday 13 April

Registrations are essential. To find out more about the tours, and to register to attend, please visit [Deakin Campus Tours 2022](#).



➤ **Business introduces the Employability Program**

The Peter Faber Business School has introduced a *new employability program: Future Ready*. Embedded in all ACU business and IT degrees from day one, this program supports students to build their personal brands, develop their LinkedIn and social media profiles, attend industry engagement and networking events, upskill with Microsoft certifications, participate in industry placements, and build their online portfolio.

These essential skills will facilitate students in building the foundations for success now and into the future. Find out more at [Future Ready Employability Program](#).

➤ **New Bachelor of Criminology and Criminal Justice degree**

The Thomas More Law School has introduced the *Bachelor of Criminology and Criminal Justice*.

Already proving popular with students in 2022, this course explores the causes of antisocial behaviour and develops the knowledge and expertise needed to make a valuable contribution in the criminal justice sector.

Students gain a deep understanding of the complex causes and impact of crime, and the legal and social policies that keep society safe. The degree includes studies in *forensic psychology, forensic science, cybercrime, border protection* and *biosecurity* and understanding violence and trauma. All criminology students also undertake a community engagement in the third year of the course.

Find out more at [Bachelor of Criminology and Criminal Justice](#).



Gain in-demand skills to protect data and information systems from hackers, with a Bachelor of Cyber Security at Victoria University.

Students study information technology, preparing them for a career in software development or the networking industry. Then they focus on specialised units in cyber security – gaining the expertise needed to apply for specialised roles. Students learn essential skills in cyber-threat detection and risk management, including:

- cyber security technologies (such as digital signature, public key infrastructure, virtual private networks, firewalls, intrusion detection and data encryption)
- ethical hacking and digital forensic data collection
- vulnerability analysis and control
- enterprise security
- cyber security regulation, policies, and laws
- software development
- network design.

Find out more at [Cyber Security at VU](#).



➤ **New Bachelor of Data Science**

The ***Bachelor of Data Science*** has been designed for students with an interest in *statistics, data analysis, machine learning* and *software development*. The course has an industry-focused curriculum with a focus in practical expertise.

With market information and technology evolving at great speed, skilled professionals are needed to transform data into actionable insights for business. The Bachelor of Data Science is designed to meet this demand and give students the tools to analyse trends for business success, and launch a career perfectly aligned to industry needs.

➤ **Free TAFE course Pathway into the Bachelor of Business**

VU Polytechnic's [Diploma of Accounting](#) provides students with the training and knowledge necessary for a range of accounting careers. It is delivered by expert staff and aligned with the skills and jobs that are in demand from Victorian employers. This 6-month course is not only *free* but, on completion, guarantees entry into the [Bachelor of Business](#) with credit.



Is Maths a Good Career Choice?

With just one in 10 students in year 12 electing to study high-level maths and a quarter of all students choosing not to study maths at all, the implications for national productivity are significant.

Studies consistently show Australian participation in secondary school advanced maths continues to decline, in spite of the demand in the growing tech, engineering and science industries which require employees have high-level maths qualifications.

So what are the career opportunities for students who take mathematics?

A degree in mathematics can provide you with many job options. Almost every field and industry rely on mathematical theory and data, and the likes of insurance companies, financial institutions, technology and engineering firms require employees with extensive knowledge of mathematics.

There is and always will be a high demand for maths professionals. Based on the 2020 job growth analysis by the US Bureau of Labor Statistics (BLS) for math occupations reported the maths industry is projected to grow by 33 percent from 2020 to 2030.

Most science and business professions prioritise candidates with degrees in maths or strong math skills. If you're interested in studying maths but can't decide what jobs are best suited our list below will help.

Acoustic Sound Engineer | Actuary | Aeronautical Engineer | Algorithm Engineer | Astronomer | Business Analyst | Cryptographer | Data Scientist | Economist | Mathematician | Maths Professor or Teacher | Medicine and Health Research | Meteorologist | Physicist | Quantitative Analyst | Research Analyst | Robotics Engineer | Space Research | Statistician | Systems Analyst

Most of the technologies we use every day wouldn't have been possible without mathematicians. Maths majors learn to apply math principles to solve real-world problems. Having a math degree will open up many career opportunities. It's one of the best qualifications you can have!

Career Maths Resources

1. [Refraction Media - Careers with Maths & Data](#)
2. [More About Maths Careers at Australian Mathematical Sciences Institute – AMSI](#)
3. [CSIRO - What Can You Do With Maths](#)
4. [Myfuture - Maths Bulls Eye Poster](#)

Animation & Gaming Degrees in Victoria in 2022

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 IN 2022
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, 3D motion, Animation, Animation production, Audio and visual effects, Character design and rigging, Compositing, Creative arts, Design thinking, Documentary and experimental filmmaking, Film and television, Film studies, Film titling, Game design, Interactive art, Media, Modelling, Motion capture, Narrative, Photography, Project management, Screen production, Screen studies, Stereoscopy, Stop motion animation, Storyboarding, Visual communication design.
MONASH	Design/Media Communication	Units 3 and 4: a study score of at least 27 in English (EAL) or at least 25 in English other than EAL.	Animation, Automotive design, Collaborative design, Communication design, Computer-aided design (CAD), Design, Design theory, 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.
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, Storyboarding and narrative development.
	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.
	Games and Interactivity/Animation	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL).	2D and 3D production techniques for animation, 3D modelling for objects and environments, Acting for animation, Action analysis and locomotion, Behaviour and motivation in games, Character and environment design, Character animation, Development and pre-production, Digital game prototyping, Genre and the moving image, History of animation, Pervasive game design, Physics of games and animation, Principles of game design, Production and post-production, Production management for animation, Screen writing, Sound design and acquisition, User-centred design and evaluation, Writing and directing for animation, Writing for interactive narratives.
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.
VICTORIA UNIVERSITY	Animation & Visual Effects	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Animation, Visual effects.

Animals, Conservation, Wildlife & Zoology Degrees in Victoria in 2022

A number of universities in Victoria offer a range of courses in *animal science, marine biology, veterinary nursing, conservation studies, and wildlife & zoology.*



INSTITUTION	COURSE NAME	VCE PREREQ'S	MAJOR STUDIES IN 2022
DEAKIN UNIVERSITY ATAR: 61.55 (Melbourne) ATAR: 52.15 (Warrnambool) ATAR: 66.70 (Geelong) ATAR: 75.10 (Melbourne) ATAR: 66.25 (Geelong)	Environmental Science (Environmental Management and Sustainability)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Biology, Bushfire management, Catchment management, Coastal and marine management, Conservation biology/ecology, Ecological studies, Ecology, Ecosystem management, Ecotourism, Environmental health, Environmental impact assessment, Environmental management, Environmental policy and planning, Environmental project management, Environmental protection, Environmental science, Environmental social science, Indigenous engagement, Land management, Natural resources management, Nature conservation, Parks and reserve management, Plant and animal biology, Pollution control, Professional practice, Research methods, Resource efficiency, Science, Sustainability, Waste management, Water resources management, Wildlife management.
	Environmental Science (Marine Biology)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Animal and plant biology, Aquaculture, Aquatic resource management, Aquatic science, Biology, Ecological studies, Ecology (sustainability), Ecosystem management, Environmental science, Fisheries, Freshwater biology, Freshwater ecology, Geographic information systems, Land and water management, Marine and coastal management, Marine biology, Marine ecology, Marine environment, Natural resource management, Professional practice, Science, Water quality management.
	Marine Science	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Biology, Chemistry, Fisheries and aquaculture, Marine biology and ecology, Modelling, Ocean and coastal processes, Physics, Science quantitation.
	Environmental Science (Wildlife and Conservation Biology)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Agricultural environmental and related studies, Animal and plant biology, Animal husbandry, Biology, Botany, Bushfire management, Conservation biology/ecology, Ecological studies, Ecosystem management, Environmental science, Land and water management, Landscape ecology, Natural resource management, Park and wilderness management, Plant ecology, Science, Vegetation and wildlife management, Wildlife conservation and ecology, Wildlife management, Zoology.
	Zoology and Animal Science	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Animal behaviour, Animal biochemistry, Animal biology, Animal communication, Animal diversity, Animal navigation, Animal welfare, Animals and climate change, Conservation genetics, Disease ecology, Ecology, Ecophysiology, Evolutionary biology, Genetics, Marine biology, Ornithology, Physiology, Science, Sensory ecology and neurobiology, Wildlife disease, Wildlife ecology and conservation, Wildlife management, Zoology.
FEDERATION UNIVERSITY ATAR: 54.20 (Berwick) ATAR: 41.75 (Berwick)	Environmental and Conservation Science	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.	Environmental and Conservation Science.
	Veterinary and Wildlife Science	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.	Veterinary and Wildlife Science.
LA TROBE UNIVERSITY ATAR: 60.75 (Melbourne) ATAR: 55.65 (Melbourne) ATAR: 68.60 (Melbourne) ATAR: 75.00 (Melbourne)	Animal and Veterinary Biosciences	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Animal and Veterinary Biosciences.
	Biological Sciences	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Biochemistry (Melbourne only), Botany, Ecology, Genetics, Human physiological sciences, Microbiology, Zoology.
	Veterinary Nursing	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, or any Mathematics.	Veterinary nursing.
	Science (Wildlife & Conservation Biology)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Wildlife and Conservation Biology.



Veterinary Science Degrees in 2022

Included in this matrix are a range of courses specific to *Veterinary Science* or *Veterinary Technology* or *Veterinary Medicine* on offer across Australia.

Veterinarians diagnose, treat and help to prevent disease and injury in animals. They advise on measures to prevent the occurrence or spread of diseases and on ways to improve the health and productivity of animals and supervise safety standards on food supplies. (Good Careers Guide).

Veterinary Science and Veterinary Medicine are similar fields – both involve working with animals, however careers in veterinary medicine focus on hands-on animal care, while veterinary science careers tend to focus more on research and instruction (Indeed Careers Guide)

Note: Veterinary Nursing and Veterinary Bioscience are listed in the *Animals, Conservation, Wildlife & Zoology* Matrix

INSTITUTION	COURSE	VCE ENTRY REQUIREMENTS
Charles Sturt University	Bachelor of Veterinary Biology / Bachelor of Veterinary Science	Assumed knowledge: An English, Maths Methods, Chemistry An ATAR of 90.00+
	Bachelor of Veterinary Technology	Assumed knowledge: An English, Chemistry, Maths Methods An ATAR of 62.00+
James Cook University	Bachelor of Veterinary Science (Honours)	Assumed knowledge: An English, Maths Methods, Chemistry An ATAR of 81.00+
Murdoch University	Bachelor of Science in Veterinary Biology / Doctor of Veterinary Medicine	An English An ATAR of 98.00+
University of Adelaide	Bachelor of Veterinary Technology	Units 3 and 4: English, Maths Methods An ATAR of 75.00+
	Bachelor of Science (Veterinary Bioscience) / Doctor of Veterinary Medicine <u>Note:</u> Students complete the B Sci (Veterinary Biosciences) before articulating into the Doctor of Veterinary Medicine	Units 3 and 4: English, Chemistry, Maths Methods, and Physics is recommended An ATAR of 90.00+
University of Melbourne	Bachelor of Science / Doctorate of Veterinary Medicine <u>Note:</u> Students complete the B Sci (with major in Veterinary Biosciences) before articulating into the Doctorate of Veterinary Medicine	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. An ATAR of 85.00 for BSci or 98.50 for guaranteed package
University of Queensland	Bachelor of Veterinary Science (Honours)	Units 3 and 4: an English, Maths Methods, Chemistry, and Physics OR Biology An ATAR of 99.60+ and the CASPer Test is used for selection
	Bachelor of Veterinary Technology	Units 3 and 4: an English, Further Maths or Maths Methods An ATAR of 75.10+
University of Sydney	Bachelor of Veterinary Biology / Doctor of Veterinary Medicine	Units 3 and 4: English, Chemistry, with Biology and Physics highly recommended An ATAR of 98.00+



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