8 June 2023

Items in this *Career News* include –

Federation University Australia – Why Study Science at Fed Uni?

Why study a science degree at Fed Uni? Federation University prides itself in having –

- A highly practical degree
- Strong connections with industry
- Lecturers with industry experience
- An excellent Work Integrated Learning program

The program is delivered in small, applied laboratory classes and workshops, allowing the development of advanced skills sought by employers. The emphasis is on acquiring skills in scientific communication, data analysis and quantitative literacy, problem solving and research skills, and a comprehensive understanding of the scientific and ethical framework of at least one major study area.

Program majors include *Biochemistry, Biological Science, Behavioural Science, Chemistry, Ecology, Environmental Restoration, Exercise Science, Geoscience, Health and Nutrition, Information Technology, Mathematics* (major at *Ballarat,* minor at Gippsland and online)*, Microbiology and Molecular Biology*. A minor in *statistics* is also on offer.

Depending on a student's major, they may find government or private sector employment in medical science, earth science, environmental management, analytical laboratories, computer support, health, environmental planning and sustainability, consultancy, or research. The analytical skills of science graduates are also in high demand in education, marketing, administration, and business management. Graduates may also choose from a range of specialist post-graduate research and study areas.

Find out more at Science at Fed Uni.

UNSW Co-op Program 2024

Set up by industry and the **University of New South Wales (UNSW)** the ***Co-op Program*** provides career development scholarships for high achieving undergraduate students, offering *industry training, leadership, professional development, networking opportunities, mentoring* and *financial support.* The scholarships are offered in the fields of Business, Science and Engineering.

The ***UNSW Co-op Program*** is open to Year 12 students entering university for the first time, or those commencing university for the first time after a gap year. Candidates for scholarships are not only selected on their academic ability, but also their communication skills, motivation, leadership potential and passion for their chosen field of study. Any student expecting an ATAR above 96.00 should consider applying.

What do students gain?

- Up to 18 months of relevant industry experience with multiple companies during their degree
- Financial support of $78,400 tax free over four years
- Leadership and professional development training
- Mentoring and support offered throughout their degree
- Career planning
- Opportunities to network with leading employers and make valuable contacts within your industry

Joining the Co-op community at UNSW enables you to form life-changing connections and opens up a world of opportunities. As a scholar, not only do you gain academic and professional insight from alumni, older scholars, and the broader Co-op community, you also start forming your professional and social network from day one.

Applications have opened and close on 30 September 2023. Students can visit UNSW Co-op Program, call (02) 9385 5116 or e-mail cooprog@unsw.edu.au for more information.

Accounting and Business Information Technology (Professional)

A premium experience, the Bachelor of Accounting and Business Information Technology (Professional) is a prestigious industry degree with a 12-month full-time paid work placement. Students in this course learn how to guide investment decisions, develop operating strategies and evaluate business performance. They will be prepared for careers combining management and leadership with accounting and business information technology specialisation.

This degree is professionally accredited including by Chartered Accountants Australia and New Zealand (CA ANZ), and Australian Computer Society (ACS).

Find out more at Bachelor of Accounting and Business Information Technology (Professional)

Exercise and Sports Science/Nutrition Science

Physical activity and healthy eating are fundamental to good health and wellbeing for all human beings. Not only do they reduce the risk of disease, they improve or maintain overall quality of life through enhanced mental and social wellbeing.

This course is ideal for students who are passionate about fitness and creating a better life for others. The Bachelor of Exercise and Sports Science/Bachelor of Nutrition Science will uniquely equip graduates to become experts in professions related to both exercise/sport science and nutrition science. Graduates will capitalise on the synergies between the two fields of study to promote optimal health and nutrition through the lifespan.

VCE entry requirements are: Units 3 and 4 – a study score of at least 30 in English (EAL) or at least 25 in English. Students who choose to study Biology, Chemistry, Maths: Mathematical Methods, Maths: Specialist Mathematics or Physics may be eligible to attain subject bonuses if they perform well in these subjects.

Graduates of this double degree will be eligible to apply for further study in nutrition research or in dietetics to become an accredited practising dietitian. In addition, they will be eligible to apply for further study in exercise science/sports science research and clinical exercise physiology to become an accredited exercise physiologist, or further study in high performance sport.

Find out more at Exercise and Sports Science/Nutrition Science.

Tech & Trades Experience Day 2023

Come and be a part of RMIT's Tech and Trades Experience Day, an exciting event that lets you delve into the dynamic world of Technology and Trades! Year 10, 11 and 12 students as well as parents/guardians are invited. Students can participate in two hands-on workshops, tour facilities, interact with staff and students, and win prizes. Parents can connect with staff, students, and industry guests to learn about opportunities at RMIT.

Students will have the chance to choose two workshops from fields such as *Building Design, Carpentry, Cyber Security, Electrical, Engineering, Refrigeration, Information Technology, Plumbing,* and *Surveying*. These fields offer strong industry growth and promising future career prospects.

Date: Thursday 29 June 2023
Time: 9.00am – 2.45pm
Location: RMIT City Campus

Registrations are essential and can be made at Tech & Trades Experience Day 2023.

Sports Degree Summit

Holmesglen's *free* ***Sports Degrees Summit*** will provide a first-hand look at the industry and degrees, with demonstrations, virtual experiences, and a chance to meet current students and lecturers. Open to prospective students currently studying Year 10−12, with a passion for the sports industry and considering a degree or career in the field.

Holmesglen offers two specialised degrees that are all about SPORT!

- Bachelor of Sports Media
- Bachelor of Sport Business

We are proud to have the one and only Craig Hutchison − Sports Entertainment Network's most recognisable figure − as our special guest speaker. He will share his valuable experience and insights into the sports industry, giving a taste of what it takes to succeed.

Date: Saturday 17 June 2023
Time: 10.00am – 2.00pm
Venue: Holmesglen Institute, Chadstone Campus Warrigal Rd, Chadstone

Register at Sports Degree Summit now.

Richmond Institute of Sports Leadership Information Sessions

The Diploma of Sport Development & Leadership and Management is delivered by the Richmond Football Club in partnership with Swinburne University of Technology. Key program information includes:

- 12-month course
- 3 days per week in Richmond
- Minimum of 80 hours of work placement in industry
- Athletic high-performance development every day
- Guest speakers from the club including players, coaching staff and administrators
- No ATAR required for entry – students selected by interview and reference checks
- Guaranteed university pathway options after successful completion
- 150 students are our capacity for next year
- 83% completion rate since 2017

Richmond Institute is hosting three Information Sessions in the upcoming school holidays, and students are encouraged to register to participate in one.

Register at Diploma of Sport / Diploma of Leadership and Management.

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Computer Science Degrees in Victoria in 2023

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.**

INSTITUTION	VCE PREREQUISITES	MAJOR STUDIES IN 2023
DEAKIN 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. **2023 ATAR: 63.25 (M)**	Algorithms, Artificial intelligence, Cloud technologies, 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, Full stack development, Internet of things, Programming, Project management, Robotics, Sensors and data, Software design and development, System prototyping, Virtual and augmented reality.
LA TROBE 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 any Mathematics. **2023 ATAR: 61.75 (M)**	Artificial intelligence, Cloud analytics, Data science, Software engineering.
MONASH Cl – Clayton Campus	Units 3 and 4: a study score of at least 27 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. **2023 ATAR: 82.05 (Cl)** **Note:** Monash also offers the Bachelor of Computer Science Advanced (Honours) at the Clayton Campus with the same prerequisite VCE subjects and ATAR 94.00	Algorithms and data structures, Artificial intelligence, Computational science, Computer architecture, Computer graphics, Computer programming, Computer science, Computing theory, Data science, Databases, Distributed systems and applications, Information and communication technology, Information technology, Machine learning, Programming, Software development, Systems development, Web and mobile development.
RMIT C – City 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; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics. **2023 ATAR: 73.35 (C)** **2023 ATAR: 90.70 (C)****	Agile Software engineering, Algorithms and data structures, Artificial intelligence, Big Data, Cloud computing, Computer and network security, Data Science, Databases, Enterprise systems, Internet, Machine Learning, Networks and data communications, Operating systems, Problem solving, Programming, Programming (.Net, Java, C++), Security, User-centred design.
SWINBURNE 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 to 4: satisfactory completion in two units (any study combination) of any Mathematics. **2023 ATAR: 62.30 (H)** **2023 ATAR: 70.35 (H) ****	Artificial intelligence, Cybersecurity, Data science, Games development, Internet of Things, Software development.

Information Technology Degrees in Victoria in 2023

Several Victorian universities offer a broad range of **Information Technology** bachelor 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 2023
CQU M - Melbourne	Units 3 and 4: a study score of at least 26 in any English. **2023 ATAR: 65.00 threshold**	Application Development, Business Analysis, Cyber Security.
DEAKIN M – Melbourne G – Geelong Waurn Ponds	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL. **2023 ATAR: 61.05 (M) 65.95 (G)**	Animation (games), Application development, Computer and network security, Computer networks, Computer programming, Cyber security, Cyber security network operations, Databases, Distributed systems and applications, Embedded systems, Game programming, Games development, Information technology, Network and cloud technologies, Networking, Networking and cloud computing, Object-oriented design, Object-oriented programming, Operating systems, Programming, Project management, Security management, Software development, Systems and networks, Virtual and augmented reality, Web applications programming, Web design.
FEDERATION B – Berwick G – Gippsland Ba – Ballarat	Units 3 and 4: a study score of at least 20 in any English. **2023 ATAR: 46.40 (Be), n/p (Gi), n/p (Ba)**	Big Data and Analytics, Business Information Systems, Cloud and Enterprise Computing, Networking and Security, Software Development.
****Professional Practice Degree**	Units 3 and 4: a study score of at least 20 in any English; 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. **2023 ATAR: n/p (Ba)****	Professional Practice. ******Combine study and practical industry experience. Receive a paid vocational work experience placement of approximately $44,000 (casual basis) over the final two years of this degree as you study and undertake 1600 hours of work integrated learning with IBM® and Kyndryl in Ballarat.
LA TROBE M – Melbourne B – Bendigo	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL. **2023 ATAR: 56.00 (M) n/p Be)**	Artificial intelligence (Melbourne campus), Cloud analytics (Melbourne, Sydney campuses), Data Science (Melbourne Campus), Information systems (Melbourne campus), Network engineering (Melbourne campus), Software engineering (Bendigo, Melbourne, and Sydney campuses).
MONASH C - Clayton	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 27 in English (EAL) or at least 25 in English other than EAL. **2023 ATAR: 77.00 (Cl)**	3D modelling and animation (minor), Business information systems, Computer networks and security (minor), Computer programming, Computer science (minor), Computing, Cybersecurity, Data science (minor), Games and immersive media, Games design (minor), Games development (minor), IT for business (minor), Information management, Information technology, Mobile apps development (minor), Software development, Software engineering (minor), Web development (minor).
RMIT 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 20 in any Mathematics. **2023 ATAR: 70.05 (C)**	Agile software development & Dev Ops, Business IT, Data networks, Database administration, Databases, Graphics, Information technology, Internet technology, Mobile programming, Networks and data communications, Object-oriented modelling, Object-oriented programming, Problem solving, Professional practice, Programming, Programming (.Net, Java, PHP, Python), Project Management, Security, System administration.
SWINBURNE H - Hawthorn	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL). **2023 ATAR: 58.15 (H)**	Information technology, Network technology, Software technology.
VICTORIA F – 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.****** **2023 ATAR: n/p (FP)**	Network and system computing, Web and mobile application development.
**** Not Foundation Maths**		

Snapshot of Melbourne Polytechnic in 2023

- Melbourne Polytechnic has been delivering vocational training since 1912 and today offers a diverse range of innovative, hands-on TAFE (VET) and Higher Education (Degree) programs.

- In October 2014 the Northern Melbourne Institute of TAFE (NMIT) changed its name to Melbourne Polytechnic.

- There are over 150 courses to choose from at Melbourne Polytechnic including pre-apprenticeships, apprenticeships and traineeships, and bachelor's degrees and short courses too.

- Melbourne Polytechnic offers students a range of services, facilities and learning resources across its campuses. There are six libraries, as well as learning services, conference facilities, restaurants and much more.

- Melbourne Polytechnic has seven campuses, two training centres and a Skills and Job Centre.

- Melbourne Polytechnic also participates in the Free TAFE course options.

- A number of scholarships are available to a range of students, and they differ from semester to semester and year to year so students are encouraged to keep an eye on what may be available to them.