Careers Corner

Edition 3, 2019

Careers Information at Thomas Carr

Career Tools – Useful Links

Explore all that Career Tools has to offer, follow the link below to navigate through a heap of information in relation to finding and applying for jobs, courses and further education and other useful bits and pieces that will assist you with your career planning and decision making. https://careers.thomascarr.vic.edu.au/?page=links

Yr 12 Individual Careers Appointments

Thank you to all students who have scheduled and attended your Careers Appointment.
A reminder of some useful links when undertaking your own research:

- VTAC:
  www.vtac.edu.au
- Career Tools Career Targets:
  https://careers.thomascarr.vic.edu.au/?page=career-targets&area=1
- The Good University Guide:
  https://www.gooduniversitiesguide.com.au/careers-guide

Please contact your careers team member if you need to schedule a careers appointment or if you have any questions about your pathway planning.

Yr 10 Work Experience Program

A reminder that work experience arrangement forms are due no later than **Monday 25th March 2019.** If you need further support with finding a placement, completing forms or contacting employers please email Mrs Janicki (rosalyn.janicki@thomascarr.vic.edu.au) or stop by the Careers Hub for assistance.

Australian Defence Force Presentation

The Careers Team have arranged for the Australian Defence Academy to visit The College to discuss careers and opportunities in the Army, Navy and Air Force.
You will learn about the 100s of different roles available and that not all are soldiers or combat roles.

When: **Monday 25th March, 12:45 pm start (bring your lunch)**
Where: **D18**

University School Holiday Programs

La Trobe University

Experience Clever *gives Year 10, 11 and 12 students the chance to experience Uni for a day.* Not only will students get to see the campus, but also get to take part in fun and dynamic workshops led by real lecturers. Students will choose from over 50 workshops in a broad range of study areas. From there, they will experience real classroom environments and interact with university staff and students.

There will be campus and accommodation tours, free catering, prizes and entertainment. Students are encouraged to register early before sessions fill up.

Date: Friday 12 April 2019
Time: 9.00am – 4.30pm
Venue: La Trobe University, Melbourne Campus, Union Building
Register at Experience Clever at La Trobe

Deakin University

Step on Campus *gives students and their families an opportunity to take a personalised tour of Deakin University during the Term 1 school holidays. Participants will be offered a 45-minute tour with a current Deakin student to learn about Deakin's study areas, campus life and how to make the best transition into university.*

Where: Melbourne Burwood, Geelong Waurn Ponds, Geelong Waterfront and Warrnambool campuses
Dates: Melbourne Burwood Campus – Wednesday 10 and 17 April 2019
Geelong Waurn Ponds Campus – Thursday 11 and 18 April 2019
Geelong Waterfront Campus – Tuesday 16 April 2019

Register for one or more tours at Step on Campus

Deakin Explore is an excellent resource that allows students to kick-start their course and career exploration.

Students are encouraged to visit Deakin Explore and familiarise themselves with it.

Box Hill Institute

Day in the Life of a Fashion Illustrator – Holiday Workshop

This hands-on 1-day workshop is open to all Year 10 – 12 students and aims to provide the opportunity to experience *life as a fashion illustrator* and to develop skills to present creative ideas for their portfolio. The workshop is designed for students interested in communicating their design concepts through fashion illustration and wanting to develop fashion portfolios. Tips for folio presentation and layout will also be discussed.

Date: Friday 12 April 2019
Time: 9.30am – 4.00pm
Location: Box Hill Institute – Nelson Road
Cost: $75 plus processing fee
Registration: A Day in the Life of a Fashion Illustrator

Experience a Day in the Life of a Monash MNHS Student

Students wanting to know what it is like to study ***medicine, biomedical science or nursing*** at Monash University are encouraged to watch a few videos which are hosted by current students, takes viewers inside their lectures, placements, and favourite places on campus to show what a typical day looks like.

Watch four short YouTube videos at a [Day in My Life](#)

Global Immersion Guarantee (GIG)

The ***Monash Arts Global Immersion Guarantee (GIG)*** is a ground-breaking *new* initiative – a guaranteed two-week overseas study experience for all first year **[Bachelor of Arts](#)** and **[Bachelor of Global Studies](#)** students who have successfully completed one semester (24 credit points or equivalent) of their Bachelor of Arts or Bachelor of Global Studies single or double degree, and are in good academic standing. The cost of airfares, accommodation and local travel are covered as part of the program. Students will only have to pay for food and any other living costs whilst away.

Over the two weeks, students will study the impact of the global movement of people and goods on environmental sustainability; in either Prato (Italy), Monash Malaysia, or Indonesia, and students will earn credit for 12 credit points towards their degree.

Find out more at [Global Immersion Guarantee (GIG)](#)

Where will a Bachelor of Criminology Take You?

With a Bachelor of Criminology, students could work in broad range of professional domains such as international criminal justice, anti-corruption or human rights organisations, the police force, courts system, Department of Justice, Attorney-General's departments, community legal centres, and organisations in which Criminology specialist skills provide a key competitive advantage.

Students can develop specialist knowledge in *hate crime, serious and violent crime, cybercrime, and transnational and organised crime.*

Find out more about studying criminology at Monash by browsing [Bachelor of Criminology](#)

Focus on International Studies

[International studies](#) at Monash offers an interdisciplinary focus on globalisation with four new thematic streams. The streams are:

- Global health and disease
- Environment, cities, and sustainability
- Crisis, conflict, and disaster
- Commerce, technology, and consumption

Students can enter the [Bachelor of Arts](#) degree, and once they have completed the core units, students can focus on one stream or take a mixture of units to complete their Arts major (8 units), or even a [Global Studies specialisation](#) (12 units including an overseas component):

Bachelor of Design (Communication Design) at RMIT

Communication Design applies to the shaping of communication across all aspects of contemporary society, from commercial, entertainment, and education, to environmental, cultural, and civic sectors.

Students considering studying the **Bachelor of Design (Communication Design)** at RMIT University will find that this course prepares them to be a *locally and internationally aware communication designer capable of working across a range of domains and industries, including graphic design, advertising, branding and illustration consultancies, as well as design and communication units within corporate, government and non-government organisations.*

Chartered Accountants

Why accounting? Accounting can be regarded as the language of business. Accountants *analyse, report, and give advice about the financial dealings of organisations and individuals, and advise on associated record-keeping and compliance requirements*. Chartered Accountants hold the highest professional qualifications available to accountants in Australia, and are valued for their commercial know-how, analytical thinking and leadership abilities.

Some of the potential roles for a Chartered Accountant include –
➢ Financial planner
➢ Forensic accountant
➢ Financial office
➢ Management accountant
➢ Tax specialist
➢ Stockbroker
➢ Business analyst
➢ Risk analyst
➢ Auditor

So, how does one become a Chartered Accountant?
Step 1: Choose an approved university *business* or *commerce or finance* degree
Step 2: Complete the degree with an *accounting major*
Step 3: Begin the Chartered Accountants Program - Chartered Accountants Program
Step 4: Complete the Chartered Accountants Program while accumulating three years of work experience with a Chartered Accountant mentor

Students wanting to be kept informed about career events, access to graduate and vacation positions, career advice, video testimonials and much more, are encouraged to subscribe at Chartered Accountants - High School Students

What does a Clinical Coder do?

The Good Universities Guide ***** states that c*linical coders translate descriptions of medical diagnoses and procedures into codes, which record healthcare data.* Clinical coders work closely with medical staff who are responsible for recording the information required for coding medical data within patients' medical records. The job requires someone who is –

- able to perform precise and detailed work
- able to concentrate for long periods of time
- has excellent problem-solving skills
- good communication and interpersonal skills
- able to work as part of a team
- interested in healthcare procedures

For entry into a role as a Clinical Coder, graduates usually have a qualification in the *health sciences, science, business administration (health), health information management,* and/or *health informatics.*

A Career in Forensic Science

The [Australian and New Zealand Policing Advisory Agency (ANZPAA)](#) states that *forensic science (or forensics) is the use or application of a broad spectrum of sciences in court or during legal proceedings. Forensic science is not a discipline or branch of science but is a catch-all for many distinct disciplines that may be used to help in the determination of a court case, either civil or criminal.*

While forensic science is often seen as focusing exclusively on law enforcement, forensic science can be applied in many areas of the community and industry where the skills of a scientist need to be applied to a problem and the outcome may be presented in a court of law. However, forensic or investigative scientists are also used by private laboratories and insurance companies.

There are various *[forensic science disciplines](#)* –

- **Field Science** – where crime scene investigation is priority
- **Laboratory Services** – activities include chemistry, biology, toxicology, illicit drug, document, marks, impressions analysis and computer crime
- **Forensic Medicine** – includes pathology, psychiatry, psychology, forensic medicine, mortuary services, odontology, anthropology, and entomology
- **Digital Evidence** – includes computer forensics, audio video analysis, speaker, and face comparison.

Forensic science is a fascinating and rewarding career where the love of science can be applied to the good of society, public health, and public safety.

To become a Forensic Scientist, a good degree in science or medicine is essential. There are a number of specific undergraduate and post-graduate programs in forensic science available in Australia.

The National Forensic Science Technology Centre (USA) provides an excellent overview of many of the topics associated with forensic science, and students are encouraged to browse - [A Simple Guide to Forensic Science.](#)

What does a Computer Systems Auditor do?

The Good Universities Guide states that a **Computer Systems Auditors** are involved in the *design and monitoring of control systems, which ensures the accuracy and security of data. They also review an organisation's computing environment and the use of their computer facilities. Computer systems auditors provide managers with expert opinions about the reliability of results and operations of computer systems. It is essential that computer systems auditors understand both the accounting and information technology implications of computer systems.*

Successful **Computer Systems Auditors** –

- Are interested in business
- Have accuracy and attention to detail
- Are logical and analytical
- Have good communication and interpersonal skills
- Have good leadership skills

To become a **computer systems auditor,** students usually have to complete a degree in *information technology, accounting, commerce, information systems or business information systems*.

NOTE: The Information Technology Matrix further on in this *Career News* provides information on numerous courses which offer major studies in information technology, information systems, and/or business information systems.

Health Science Degrees in Victoria

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**.

INSTITUTION	COURSE	VCE PREREQUISITES	MAJOR STUDIES IN 2019
ACU	Physical Activity & Health Science	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	Health and Rehabilitation Science	n/a	Health sciences, Human biology, Rehabilitation.
DEAKIN	Health Sciences	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	Health Sciences	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	Health 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 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	Health Sciences	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	Health Sciences (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.	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	Health Science (3-year degree)	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.
	Health Science (Professional) (4-year degree paid work placement)	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	Health Science	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.

Information Technology Degrees in Victoria

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
CHARLES STURT	n/a **2019 ATAR: n/a**	Computer programming, computing, computing (networks), object-orientated programming, software engineering, systems administration, systems analysis.
CQU	Units 3 and 4: a study score of at least 25 in any English. **2019 ATAR: n/a**	Application Development, Business Analysis, Network Security.
DEAKIN	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL. **2019 ATAR: 60.00 (M) 62.30 (G)**	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.
FEDERATION	Units 3 and 4: a study score of at least 20 in any English. **2019 ATAR: 33.55 (Be), 31.90 (Gi), 53.05 (Ba)**	Big Data & Analytics, Cloud & Enterprise Computing, Communications & Technology, Data Modelling, Game Development Fundamentals, IT Problem Solving, IT Problem Solving, IT Project Management Techniques, Mobile Development Fundamentals, Professionalism & Entrepreneurship, Systems Modelling, Understanding the Digital Revolution, User Experience, Web Design.
LA TROBE	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL. **2019 ATAR: 52.10 (M) 53.10 (Be)**	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.
MONASH	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. **2019 ATAR: 80.15 (Cl)**	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).
RMIT	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. **2019 ATAR: 67.05 (C)**	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.
SWINBURNE	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL). **2019 ATAR: 60.00 (H)**	Business systems, Network technology, Software technology, Systems analysis, Systems management.
VICTORIA	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. **2019 ATAR: n/a (FP)**	Network and system computing, Web and mobile application development.

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**

INSTITUTION	VCE PREREQUISITES	MAJOR STUDIES IN 2019
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. **2019 ATAR: 61.70 (M)**	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.
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 one of Maths: Mathematical Methods or Maths: Specialist Mathematics. **2019 ATAR: 56.55 (M)**	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.
MONASH Cl – 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. **2019 ATAR: 84.40 (Cl)**	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.
RMIT 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. **2019 ATAR: 80.20 (C)**	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.
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 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. **2019 ATAR: 65.05 (H)** **2019 ATAR: 78.35 (H) ** **	Cybersecurity, Data science, Games development, Internet of Things, Network design, Software design, Software development.