IT is everywhere, underpinning virtually every aspect of our modern world. But the true power of IT lies with the experts operating across this broad field of endeavour — experts who design and create the IT systems on which we all rely. Web developers, IT security consultants, digital storytellers, information managers, mobile app developers, cloud architects, data scientists, social modelling analysts — a career in IT can take you just about anywhere.

IT is helping us to interpret everything from weather patterns to spending patterns. It’s informing the environmental and social modelling that’s unravelling some of the most complex challenges of our time.

IT is an integral element of almost every aspect of our modern lives.

**Changing our world for the better**

All around us, IT experts are solving problems, designing solutions, and implementing changes that benefit communities and societies.

IT can help with the effects of climate change, through the use of data analysis and forecasting. It has transformed our healthcare, with technology making it possible for hospitals to share critical medical information in real-time, identify disease outbreaks early and create wearable technologies to monitor an individual’s health.

Monash IT researchers are working with Oxfam to improve the quality of work and life for female farmers in remote communities of Bangladesh through mobile technology.

We’re developing new technologies to make graphic information more accessible to people with severe vision impairment.

We’re partnering with industry on blockchain cryptocurrency research that could have applications not just for digital currencies, but also for digital health. And through research partnerships with global pharmaceutical companies we’ve developed algorithms that can predict the effects of different drugs on the human body and support better drug design.

A career in IT could be your chance to change the world, too.
“The development of the user experience designer role has been invaluable for businesses. Today, the landscape has changed for the better. Our decisions are fuelled by research that helps us to meet our users needs and those of the business. One of the most interesting parts of my role is having hands-on experience when it comes to conducting user research. I’ve flown to multiple European cities to conduct user testing sessions with our fans to learn more about them and how they interact with our site. With the rise of augmented and virtual reality, who knows what the future of user experience will look like. All I know is that as a designer, our role is constantly evolving.”

Michele Frolla
Senior Interaction Designer, Live Nation, UK
Bachelor of Multimedia Systems* graduate

* now offered as Bachelor of Information Technology (Interactive media)
Careers in IT

IT careers are diverse and dynamic. You can take a career in IT almost anywhere in the world, and enjoy excellent financial rewards and abundant job prospects. There are plenty of opportunities to specialise, including business information systems, gaming and app development, cybersecurity, or digital humanities. And you can apply your expertise in any field or industry, from banking and finance, through to health, the environment, or the arts.

The career possibilities are endless. You could:

> Use big data to help calculate flight trajectories for the first manned flight to Mars
> Use climate modelling to help better predict and manage changes in our weather systems
> Secure the systems and networks of multinational organisations
> Be at the forefront of the next IT-led breakthrough in health and medicine
> Develop games, and work in a team on the next AAA title
> Design websites and apps, or be at the forefront of emerging digital technologies
> Become a business information systems analyst, and use big data to guide organisations toward their goals
> Develop software integral to controlling flight paths over major world cities.

Graduates in demand

IT graduates are in high demand the world over, with new roles constantly emerging. IT professionals enjoy one of the highest average salaries in Australia.

Employment projections from the Australian Government Department of Jobs and Small Business show excellent prospects for employment growth across all key areas of the IT sector in Australia for the five years to 2022.

### PROJECTED INCREASE IN IT EMPLOYMENT TO 2022

<table>
<thead>
<tr>
<th>IT SECTOR</th>
<th>PROJECTED INCREASE IN DEMAND (5 YEARS TO 2022)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business and Systems Analysts</td>
<td>+3.4%</td>
</tr>
<tr>
<td>Computer Network Professionals</td>
<td>+2.7%</td>
</tr>
<tr>
<td>Database and System Administrators &amp; ICT Security</td>
<td>+11.7%</td>
</tr>
<tr>
<td>ICT Managers</td>
<td>+21.7%</td>
</tr>
<tr>
<td>ICT Support</td>
<td>+27.9%</td>
</tr>
<tr>
<td>Multimedia Specialists and Web Developers</td>
<td>+2.3%</td>
</tr>
<tr>
<td>Software and Applications Programmers</td>
<td>+14.4%</td>
</tr>
<tr>
<td>Web Designers</td>
<td>+16.0%</td>
</tr>
</tbody>
</table>

Source: Australian Government Department of Jobs and Small Business

These projections coincide with increasing business spending on IT across the globe. The Gartner Worldwide IT Spending Forecast released in March 2017 indicated that business spending is projected to increase from 3.4 trillion US dollars in 2015 to 3.8 trillion US dollars in 2021 – spending that’s likely to support a significant increase in IT-related employment.

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$112,451*

* Average salary of an IT professional in Australia, Adzuna Report, May 2017
With a faculty dedicated solely to the study and research of IT, as well as accredited courses, double degrees, hands-on learning experiences and scholarships, Monash IT is your launch pad to a rewarding career.

**MONASH IT**

**CHOICE, FLEXIBILITY, OPPORTUNITY**

BROADEN YOUR HORIZONS WITH A DOUBLE DEGREE

Double degrees broaden your education and career options. You can combine your IT studies with arts, business, commerce, design, education, engineering, fine art, or science. Turn to page 10 to find out more.

HANDS-ON LEARNING EXPERIENCES

Participate in hands-on learning through your final year team project, or through one of our highly sought after programs such as the Industry Based Learning Program, Industry Experience, and Monash Industry Team Initiative. (Some programs are select entry. You’ll find more information on page 6.)

RANKED TOP 100 IN THE WORLD FOR COMPUTER SCIENCE AND INFORMATION SYSTEMS*

* QS World University Rankings by Subject, 2018

AN ENTIRE FACULTY, JUST FOR IT

Monash is the only university in Australia’s prestigious Group of Eight Universities to dedicate an entire faculty to IT study and research. We cover every major area of IT – artificial intelligence, data systems and security, computer software, computational sciences, information systems, mobile and cloud computing, information and knowledge management.

FULLY ACCREDITED COURSES

All of our undergraduate courses are accredited by the Australian Computer Society (ACS), which means that when you graduate you can apply for professional-level membership with the ACS.

IN THE WORLD FOR COMPUTER SCIENCE AND INFORMATION SYSTEMS*

* QS World University Rankings by Subject, 2018

FACILITIES DESIGNED TO INSPIRE

Monash University is home to some of the best IT facilities available, including SensiLab, our technology-driven, design-focused research lab; the CAVE2™, an immersive hybrid 2D and 3D visualisation platform; and the Cybersecurity Lab, with its focus on different aspects of cybersecurity research.

OPPORTUNITIES FOR TRAVEL

Consider your options for international studies – perhaps a winter semester studying in Prato, Italy, or study in Malaysia or South Africa with the Monash Study Abroad program.

STUDENT EXCHANGE

150+ PARTNER UNIVERSITIES IN MORE THAN 30 COUNTRIES

BROADEN YOUR HORIZONS WITH A DOUBLE DEGREE

Generous Scholarships

Monash offers a wide range of scholarships, grants and awards, including Women in IT scholarships, scholarships for Industry Based Learning placements, IT Excellence Scholarships, and IT Indigenous Scholarships. They’re just one of the ways we reward excellence and support students who are disadvantaged.

Visit monash.edu/scholarships to find out more about the full range of scholarships available.

TOTAL $7.3M SCHOLARSHIPS (2017)

GENEROUS SCHOLARSHIPS

180 ACADEMIC STAFF (2016)

FULLY ACCREDITED COURSES

4,795 STUDENTS (2017)
With exposure to world-leading researchers working across the spectrum of IT, innovative teaching practices, and opportunities for hands-on learning and industry experience, an undergraduate degree with Monash IT is an immersive and inspiring IT study experience.

Research excellence
At Monash, we’re harnessing IT in our quest to help meet the key global challenges of the 21st century. Our researchers are future focussed and in pursuit of ways information technology can advance and have a global impact on health and medicine, productivity and innovation, and social inclusion.

Our researchers are currently teaming up with Peter MacCallum Institute and Alfred hospital to investigate optimisation approaches to prostate cancer treatment, using automatic optimisation algorithms that deliver better treatments.

The PROTIC project is a partnership between Oxfam in Bangladesh and its community partner organisations, Oxfam Australia, and Monash IT, supported by the Empowerment Charitable Trust. The primary goal of PROTIC is to develop current, accurate, and trustworthy interactive information (primarily via mobile technologies) for women in agriculture in Bangladesh, to enable them to act to improve their well-being and livelihoods in one of the most densely populated and ecological fragile parts of the world.

The Monash Cybersecurity group is providing practical solutions in the areas of IoT, cloud based ecosystems, smart power grids, digital health and intelligent transport, and fostering collaboration with industry as the leading partner of the Oceania Cyber Security Centre (OCCS) – a joint venture of eight Victorian Universities and funded by the Victorian government.

In collaboration with the Monash Energy Materials and Systems Institute (MEMSI), our researchers are harnessing the power of technology to develop innovative products and services for deployment in the energy sector in the future.

These projects are just the tip of the iceberg. An undergraduate degree with Monash IT gives you the opportunity to learn from, and even work alongside, some of these leading experts.

Teaching innovation
Your undergraduate years can be among the most rewarding and challenging years of your life, an opportunity to expand your mind, immerse yourself in learning, and set a course for your future. At Monash, we use innovative teaching models to ensure that your time with us is all of that, and more.

We’re leading the way in studio-based learning in IT, which focuses on ‘learning by doing’ in a collaborative environment. We’re using the latest technology to provide interactive learning activities in lectures. And the Peer Assisted Study Sessions (the PASS program) was established as an avenue through which students assist other students.

Industry engagement
Strong links with Australian and global industry partners, forged over many decades, have helped us to create a unique and highly sought after suite of industry-based learning opportunities for our undergraduate students.

From final year projects through to the select-entry Industry Based Learning program and Monash Industry Team Initiative, our hands-on learning opportunities are second to none. Employers cite our Industry Based Learning program as a benchmark in work-integrated learning, and students regularly nominate their final year Industry Experience project as the highlight of their undergraduate degree.

Certainly, the hands-on experience you’ll gain and the networks you’ll create are part and parcel of your Monash IT degree, and will help to give you a competitive edge in the IT employment market. Find out more about our industry engagement program on page 6.

Opportunities abroad – combine study with travel
A career in IT can take you just about anywhere in the world, but why wait until you start working to travel? Monash IT offers a range of opportunities to take your studies overseas.

You can study one or two semesters at Monash campuses in Australia, Italy, Malaysia or South Africa with the Monash Study Abroad Program — all with guaranteed credit towards your degree. Or, spend three weeks at Monash’s Prato campus in Italy, developing a team-based interdisciplinary project that draws on Italy’s rich historical, cultural and technological landscape. The Monash Undergraduate Research Projects Abroad provides further opportunities for travel through research placements with elite international universities. And you can team your overseas studies — and enhance your language development — with a Diploma of Languages as part of your elective program.

monash.edu/study-abroad

Professional recognition
The demand for skilled IT industry professionals across Australia and overseas is enormous. That also means it’s highly competitive. Every one of our IT undergraduate courses is accredited with the Australian Computer Society – the professional association of the information and communications technology industry in Australia. As an IT graduate from Monash, you have a recognised edge in the job market, not just in Australia, but around the world.
“I have been blown away by the amount of opportunities offered to me from everything in and around the campus. I have become a Resident Advisor, an IT Peer Mentor, worked at the supermarket on campus, volunteered at Open Day, and secured an IBL placement for next semester, just to name a few. These activities balance well with study and it is also a great way to meet others.”

THOMAS SMART
Bachelor of Computer Science
(Advanced Computer Science)
At Monash IT, we provide a range of hands-on programs and projects that allow you to apply the skills you’re learning to real-world IT projects. Because when it’s time to embark on your career in IT, we want you to have knowledge and experience — a powerful combination in a highly competitive job market.

**Industry Based Learning (IBL) program**
For 30 years our IBL program has been pivotal in preparing our undergraduate students for IT careers. What’s more, our industry partners tell us it’s widely held as the benchmark in work-integrated learning. To date, 100% of our graduating IBL students who seek employment have received graduate offers, and many have received multiple offers. The majority are recruited by our IBL industry partners — evidence of the success of the program and the high regard in which it is held within industry.

The program has partnerships with over 30 leading Australian and global organisations such as PwC, ANZ, and Deloitte. The IBL is open to selected, high-performing students (both international and domestic). Successful applicants gain valuable professional and business experience during one or two industry placements. The program is formally assessed and credited, with each IBL placement worth three units in your degree program. Plus, all IBL students receive a A$18,000 scholarship per 6-month placement.

IBL students enjoy the benefits of industry-assisted activities, such as field trips to partner companies, an industry seminar series, a career-start program, and access to an exclusive graduate recruitment program. Many of our IBL graduating students receive multiple job offers in their final year, with the vast majority being recruited by our partner organisations. This reflects the outstanding quality of the students coming out of our program, and its ability to prepare our students for careers in business and industry.

[monash.edu/it/ibl](http://monash.edu/it/ibl)

**Peer mentor program**
Students are matched with a peer mentor at the start of their degree and become part of the Monash IT student community. Peer mentors help new students transition into university life. The program also provides our mentors an opportunity to develop their leadership and other ‘soft skills’ that are highly sought after by employers.

**Industry Experience**
Our Industry Experience program is an integral part of the Monash IT course for each and every one of our undergraduate students — because everyone should have the opportunity to demonstrate what they know in a real-world setting, and to learn by actually doing.

In the final year of your course, you’ll get to apply the knowledge and expertise you’ve acquired to a real-world problem and develop new skills via a team-based, final year project.

Working collaboratively, your team will manage the project through all of its development stages; communicate with project stakeholders; develop project documentation; and present your work to your clients, academics and other groups. Along the way you’ll attend informative seminars, and you’ll have the benefit of academic supervisors who actively mentor and oversee your work.

Some of our student teams have designed and built mobile apps, full-scale games and 3D interactive animations, and tools for capturing, analysing and visualising data streams from online businesses.

This is the perfect opportunity to not only enhance your technical skills, but to develop the ‘soft skills’ that are so highly regarded by employers — communication skills, teamwork skills, and time management skills. Our students consistently identify their final year project as the highlight of their course.

**Monash Industry Team Initiative (MITI)**
MITI provides an outstanding opportunity for selected students to combine academic knowledge with practical application — all while working in a contemporary business environment. The program is an Australian first, and it’s unique to Monash.

Multidisciplinary student teams are competitively selected and then paired with leading Australian and global industry partners. Students collaborate and design innovative solutions to real issues in today’s business world.

Participants gain valuable exposure to relevant learning opportunities and acquire hands-on practical experience that helps them to stand out in the competitive employment market.

[miti.monash.edu](http://miti.monash.edu)

“The MITI project is a great experience for both Monash students and business leaders on my team. The students flourish through involvement with important cross-discipline challenges while gaining real-life business experience.”

Dion Weisler
PRESIDENT AND CEO, HP INC
“While I had so many amazing opportunities at Monash, the chance to complete two Industry Based Learning placements was the most amazing of all. While the scholarship was obviously an attractive aspect of the program, the most incredible part was the rate at which I learnt new things and was challenged. I formed relationships with industry professionals and I was offered a graduate position at the end of my first placement – a full year before I was due to graduate.”

WILL MANNING
Digital Services, PwC
Bachelor of Business Information Systems* graduate

* Now offered as Bachelor of Information Technology (Business Information systems)
IT COURSES THAT SUIT YOUR NEEDS

Our undergraduate courses are designed with choice and flexibility in mind — that means you get to decide how and what you study. With the opportunity to learn from some of the world’s best academics, Monash IT gives you a world-class education to support your learning and career ambitions.

Choice and flexibility

Monash IT courses offer choice and flexibility, from the more broad-based Bachelor of Information Technology, through to specialised courses such as the Bachelor of Computer Science. Within each single degree you also have the opportunity to pursue specific areas of interest by undertaking elective units. For example, you might choose IT-based electives to refine and deepen your understanding of an IT specialisation, or, you might broaden your skill set by taking electives from a completely different discipline, such as language studies, psychology, finance, or science.

IT courses at a glance

Bachelor of Information Technology
> A comprehensive IT degree designed to introduce you to the full spectrum of IT disciplines, while also allowing you to tailor your studies by choosing from our broad range of majors, minors and electives.
> Specialise from the beginning, or take the time to get a general feel for IT before eventually settling on your path.
> Application developer, digital storyteller, web designer, business analyst, IT consultant, network administrator; this broad-based degree opens the door to career opportunities in the vast field of IT.
> Combine it with another discipline in a double degree, and your career possibilities are limitless.

Bachelor of Computer Science
> With this highly specialised degree you’ll learn to think creatively and analytically – and you’ll learn it from some of the world’s best academics in this field.
> Learn how to design algorithms and data structures, and create software that solves real-world problems.
> Build on your expertise with a specialisation in Advanced Computer Science or Data Science.
> From the way we interpret weather data through to cybersecurity and scientific discoveries that can change lives – computer science is a field offering countless career opportunities.

Bachelor of Software Engineering (Honours)
> This specialised degree gives you the chance to build on your strong computer science and maths foundations, and gain deep expertise in software processes, architectures, methodologies and quality frameworks.
> So much more than simply writing code, this course places a particular emphasis on collaborative studio-based learning and will give you strong skills in teamwork, project management and communication.
> Our world’s major companies, governments and organisations depend on smartly designed and well-built software — and they rely on the expertise of skilled software engineers to make it happen.

Bachelor of Computer Science Advanced (Honours)
> This honours version of the Bachelor of Computer Science is for high-achieving students with a research focus. It offers you all the benefits of the advanced computer science specialisation, plus a stream of hands-on projects that engage you in research.
> Develop the programming and analysis skills and the research capabilities needed for graduate study or a career in the expanding world of digital research and development.
“I realised quite early on in my degree the assets I had for future employers were my soft skills, so I sought to improve my leadership and teamwork skills. I am involved in the Ancora Imparo Leadership Program, the Student Engagement Committee and a Super Peer Mentor for new IT students at Monash. These opportunities have opened so many doors for me, including employment offers, more leadership opportunities and potential internships. This experience allowed me to find a part time job in web and VoIP development, which I thoroughly enjoy. I am very excited to see where this experience will take me in the future.”

ZOE HIGGINS
Bachelor of Computer Science (Advanced Computer Science)
DOUBLE DEGREES

Become an expert in two fields by choosing a double degree. Our double degrees allow you to study towards two different bachelor’s degrees at the same time, providing you with greater career flexibility and opportunities.

Double the expertise, not double the work.

It’s a common misconception that a double degree must be more work – but your study load won’t be any greater than if you were undertaking a single degree. Your studies will last a little longer, but in most cases, only one extra year of study is required to graduate with two bachelor degrees. In fact, a double degree takes at least two years less to complete than if you studied the two degrees successively. This is because the required units from one course count as electives in the partner course.

Arts
The global nature of the IT industry calls for people who have both a strong technical background and an in-depth understanding of human society and the factors that are shaping it.

Business
Businesses, big and small, rely on technology and information systems to operate successfully in a rapidly changing global market. Combining business and IT gives you the skills to apply business principles and knowledge across the IT sector or to assist businesses to implement new technological advances.

Commerce
Commerce and IT are inseparable in the modern world. The pressure for more sophisticated technology is intense. People with the commercial skills to understand and implement technology are in high demand.

Design
Design and IT are a perfect match leading to creative and exciting careers. Together, they provide a powerful combination of highly valuable skills and knowledge. A combination of creativity and technology will challenge you to link your lateral thinking and problem-solving skills.

Education
Schools and communities need teachers with the knowledge, skill and enthusiasm to challenge and extend young people in technology. Schools also need teachers who can take advantage of technological advances to improve teaching and learning in schools.

Engineering
In an age of increasing technological advancements the synergy between engineering and IT will only become stronger. IT underpins engineering practice in all disciplines and industry needs graduates with skills and expertise spanning both.

Fine Art
Use your IT skills to push the boundaries of what is possible in artistic practice. From innovative design tools to digital artistic expression, you have the opportunity to take advantage of the growing intersection of IT and art.

Science
Technology is driving many of the changes in science, so it’s an exciting time to combine the study of computer science with any of the emerging or traditional areas of science. Science also increasingly relies on computing in collecting, storing and analysing large volumes of data such as computationally intensive simulations of new physical phenomena.
“Monash offers a wide range of double degrees in IT that you probably would not expect such as my course in Information Technology and Arts. I chose this because it allows me to work in an area that deviates from what people would consider a traditional job. IT gives me the technical aspect of my skills as well as communication while Arts allows me to understand the way people act and gives me an in-depth knowledge of why people commit crimes. Combine the two together and I essentially have a cybercrime course.”

VERNICE TA
Bachelor of Information Technology (Computer Networks and Security) and Bachelor of Arts (Criminology)
The Bachelor of Information Technology is a highly practical course that gives you the problem-solving skills to drive the ongoing revolution in the way we communicate, conduct business and experience the world.

You’ll learn from the best, develop your strengths, and explore new areas through our comprehensive range of majors, minors and double degrees.

Your studies will culminate in your final year project, where you’ll get to put all the skills and knowledge you’ve gained into practice through an industry experience, games or interactive media studio project — and then you’ll be ready to hit the ground running with your exciting new career in IT.

Alternatively, you can apply for our highly regarded Industry Based Learning (IBL) program. Successful applicants to the IBL can undertake one or two half-year industry placements with leading Australian and global organisations. These placements count towards your course, and are supported by a generous $18,000 scholarship (per placement).

**Prerequisite studies**

**VCE**
- English: Units 3 and 4: a study score of at least 30 in English (EAL) or 25 in English other than EAL
- Maths: Units 1 and 2: satisfactory completion of two units (any study combination) of General Mathematics or Mathematical Methods; or Units 3 and 4: any mathematics

**IB**
- English: At least 4 in English SL or 3 in English HL or 5 in English B SL or 4 in English B HL
- Maths: At least 3 in any mathematics subject

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**FAST FACTS**

**BACHELOR OF INFORMATION TECHNOLOGY**

- Clayton
- 3 years full time
- 6 years part time
- Comprehensive
- February and July
- ATAR: 80
- IB: 28
- Bachelor of Information Technology
- Australian Computer Society
- CRICOS CODE: 085120M

^ The scores provided are to be used as a guide only, and are either the lowest selection rank to which an offer was made in 2018 or an Estimate (E).

**DOUBLE DEGREES**

<table>
<thead>
<tr>
<th>Bachelor of Information Technology</th>
<th>&gt; Arts</th>
<th>&gt; Education (Hons)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; Business</td>
<td>&gt; Engineering*</td>
<td></td>
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<tr>
<td>&gt; Commerce</td>
<td>&gt; Fine Art*</td>
<td></td>
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<tr>
<td>&gt; Design*</td>
<td>&gt; Science</td>
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</tbody>
</table>

* This double degree is not available with all majors and/or specialisations, see study.monash/courses for full details.

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“Every single thing in the world today is either influenced, a part of, or can be improved by IT. With a degree in IT, the opportunities are pretty much endless. I chose Monash because of the opportunities and the flexibility provided by their courses and the numerous majors and units they provide in one single degree.”

ANDY NGUYEN
Bachelor of Commerce (Finance) and Bachelor of Information Technology (Business Information Systems)
YOUR CHOICE OF MAJORS AND MINORS

Majors and minors allow you to specialise within the Bachelor of Information Technology.

You can try a range of subjects in your first year, before choosing your major and then add:

> a second major, or
> one or two minors, or
> electives.

<table>
<thead>
<tr>
<th>MAJORS AND MINORS*</th>
<th>Major</th>
<th>Minor</th>
<th>Extended Major</th>
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<tbody>
<tr>
<td>Business Information Systems</td>
<td>■</td>
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<tr>
<td>Computer Networks and Security</td>
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<td>Computer Science</td>
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<td>Cybersecurity</td>
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<td>Data Science</td>
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<tr>
<td>Digital Humanities**</td>
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<td>Games Design</td>
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<td>Games Development</td>
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<td>Interactive Media</td>
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<td>IT for Business</td>
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<td>Mobile Apps Development</td>
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<td>Web Development</td>
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* Some majors and minors require Year 12 or First Year mathematics.
** Digital humanities can also be taken as a second major.

Data modelling in the CAVE2™ next generation immersive hybrid 2D and 3D virtual reality environment.
Games development
If you love video games, and want a career designing, developing and creating for the exciting and expanding computer games industry, then this is the major for you.

> Gain a detailed understanding of the processes and technologies used in the development of games and their associated technical and creative content.
> Learn to program with the main technologies, tools and languages used in the games industry, with an emphasis on interactive software development.
> Learn in a collaborative studio environment, and explore and create unique game ideas using advanced technology.

Business information systems
All organisations, from the largest multinational to the smallest start-up, need IT to carry them through change and ensure their long-term viability. As a business information systems analyst, you'll be at the forefront of change, guiding organisations towards their goals.

> Develop a thorough understanding of business information systems, fundamental business IT concepts, and how IT can be used to tackle business needs.
> Develop the ability to communicate with, and understand the needs of, software developers, business managers and users.
> Learn how to lead communication across all levels of business problem-solving.

Interactive media
The design-led, studio-based approach of this major will prepare you for a host of exciting career opportunities in areas including web design, interactive design/development, mobile application development, 3D modelling and animation, social media, visualisation, and tangible and physical computing.

> Build upon your foundation studies with digital imaging, sound and video, 3D modelling and interactive media.
> Learn to explore technology-led creativity for the digital economy by gaining a technical understanding and being given the creative freedom to develop your ideas.
> Add a creative element to your more technical IT studies.

Computer networks and security
Our world runs on networks. We use mobile devices and the internet every day, and behind these lie crucial and constantly evolving infrastructure such as mobile communications, the cloud, and broadband networks. But greater connectivity has also brought with it increased risk from viruses, hackers and cyber-criminals.

> Gain in-demand technical expertise in computer networks and communication.
> Acquire a deep understanding of how software is controlled across cyberspace.
> Learn how to develop secure software and design and implement security measures to protect information and keep organisations resilient and operational.

Software development
Software does everything from dispensing medicine to controlling flight paths and monitoring and shaping our shopping habits. Software developers build the applications that underpin these ubiquitous aspects of contemporary life.

> Learn to analyse an organisation’s needs when it comes to software development.
> Gain the technological skills needed to create robust and elegant software.
> Explore and become proficient in developing software for a range of technological platforms, from mobile apps to web services and large-scale enterprise systems.

* Available as an extended major

* Available as an extended major

* Available as an extended major

IT MAJORS AND MINORS
Available as a major, minor or extended major*
## Available as minor

### Computer science
The practical applications of computer science span all disciplines from science to business and the creative and performing arts. Not surprisingly, the career options range from software developer, web developer, computer systems analyst, database administrator – and just about everything in between.

- Broaden your repertoire with the technical skills to develop software solutions to problems in your area of interest.
- Learn to design algorithms (instructions for computers) and data structures (information storage), and how to create efficient software that solves real-world problems.
- Learn to think creatively and analytically, studying the theory of applying computers and software to problem solving, and gaining the practical skills to put this theory into practice.

### Cybersecurity
Cybersecurity is critical in our connected world. This minor provides the technical depth for those seeking the option of a career in this important and expanding field from a base in Information Technology, Computer Science or Software Engineering.

- Learn the theory and practical programming skills needed to protect private and public digital networks, including infrastructure, sensitive information and communications.
- An ideal complement to those studying in other fields, but who see a possible future working in enterprises and government bodies for which cybersecurity is a critical organisational issue.

### Data science
Data science is a cutting-edge area of study, relevant to the current needs of government, commerce and science, in the fast progressing world of the Information Age.

- Explore the capture, management and use of the huge volumes of digital data generated by businesses, organisations and science.
- Learn about technical areas such as programming, databases, modelling, visualisation and analysis.
- Gain an understanding of relevant legal and ethical issues.

### Digital humanities
Digital humanities is a new field intersecting human culture and digital technologies. This new multidisciplinary minor (also available as a secondary major) combines the expertise of Monash’s Faculties of Arts, Information Technology, and Art, Design and Architecture.

- Learn how to analyse and create content with the arts and technologies such as 3D modelling, game design, augmented reality and digital storytelling.
- Be a part of this growing field, with access to exciting new roles in new media, big data, and interactive experience design.

### Games design
The computer-games industry is huge and constantly evolving. However, this exciting field doesn’t just need hardcore coders; it needs passionate and creative designers.

- Learn to design (rather than program) games.
- Explore the underlying principles of game design, learning about digital graphics and audio components, and how they come together to make an exciting game.
- Experience collaborative studio projects geared towards the design and creation of game levels and virtual worlds.

### IT for business
Learn how IT can be used for business, and choose the IT skill set you need to enhance your career prospects in business.

- Build practical programming skills, or focus on IT-based analytical and organisational aspects.
- This minor equips you with practical technical skills and valuable IT literacy for when you start working in a business environment.

### Mobile apps development
People are building mobile apps for almost everything these days — whether it’s to solve a real-world problem or purely for fun and entertainment. Importantly, mobile apps are different to other pieces of software; they must be fast, they must have great user interfaces, and they must offer a seamlessly intuitive experience.

- Learn basic programming skills.
- Explore how to use these skills to create great software on mobile devices.

### Software engineering
Software is just about everywhere in our modern world, doing everything from dispensing medicines, facilitating banking transactions, or monitoring and managing inventory.

- Learn how to apply the principles of engineering to software development, so that you can produce large-scale, industrial-quality software.
- Learn about the tools, processes, management methods and quality-assurance techniques required to deliver robust, reliable software on time and within budget.
- Acquire the theory and practical skills to deepen and strengthen your programming and software-development skills.

### Web development
Nowadays, every business and organisation has a website, and getting a web presence right is crucial. Web development skills are transportable to almost any career — this is your chance to put yourself at the forefront of the online revolution that is changing our lives.

- Learn to design, develop and manage websites.
- Gain the practical and technical skills needed to create web pages, including programming, information management, and the creation of high-quality user interfaces.
BACHELOR OF COMPUTER SCIENCE

Who are computer scientists?
Computer scientists and their creations are everywhere. They’re behind the weather reports that tell city dwellers when to grab an umbrella, and farming communities when it’s time to sow crops. They design the search engines that tell us what we want to know, when we want to know it. They create the animations that capture the imaginations of moviegoers around the world. They shape the cybersecurity mechanisms that protect our global online banking systems and keep our data safe. No other career pushes the boundaries of innovation more than computer science.

Your Monash Computer Science experience
With the Bachelor of Computer Science, you’ll graduate with the skills to design data structures (to organise information), develop algorithms (as instructions for computers), and create software to solve real-world computational challenges.

Build your expertise through a specialisation in either advanced computer science or in the exciting new field of data science, exploiting the massive datasets of the information age.

Your studies will culminate in a substantial year-long project, giving you the practical experience to enter the workplace ahead of the game.

Alternatively, you can apply for our highly regarded Industry Based Learning (IBL) program. The IBL allows successful applicants to undertake a half-year industry placement with leading Australian and global organisations. These placements count towards your course, and are supported by a generous $18,000 scholarship.

Prerequisites

VCE

English: Units 3 and 4: a study score of at least 30 in English (EAL) or 25 in English other than EAL

Maths: Units 3 and 4: a study score of at least 25 in either Mathematical Methods or Specialist Mathematics

IB

English: At least 4 in English SL or 3 in English HL or 5 in English B SL or 4 in English B HL

Maths: At least 4 in Mathematics SL or 3 in Mathematics HL or 3 in Further Mathematics HL

Specialisations

Advanced Computer Science
Computer science is the theory and practice of using computers and software to solve problems. Its practical applications span all disciplines, including science, engineering, business and commerce, the creative and performing arts and the humanities. Computer scientists drive solutions to many of the world’s computational and information challenges. Not surprisingly, there’s strong world-wide demand for computer scientists, in a variety of roles such as specialist programmer, technical analyst, database administrator, research scientist, IT services manager and IT consultant.

If you enjoy solving many-sided problems requiring analytical thinking, have a mathematical and technical bent, and want to use your talents to address challenging problems, then a specialisation in Advanced Computer Science will work for you. You’ll graduate with the computing theory and practices necessary for creating substantial pieces of software.

Data Science
This is the era of big data. Data Science is a cutting-edge specialisation exploring the capture, management and use of the huge volumes of data generated by government, commerce and science in the fast-progressing world of the Information Age. Data scientists deal with the challenges of big data – its interpretation, management and use – in fields as diverse as marketing, medicine and finance.

Here at Monash, we bring an enormous breadth of expertise to issues relating to big data. We have the greatest collection of expertise in the theory and practice of data analytics of any university in the Asia-Pacific region. If you’re interested in solving the information challenges of big data, the Data Science specialisation will provide you with the practical skills to excel in your chosen career path – whether it’s data scientist, analytics professional, information visualisation expert, or chief information officer.

Learn by using cutting-edge computational techniques, in a rich and collaborative environment.

Gain a deep understanding of the theory of computation, its mathematical foundations and its practical applications.

Apply your learning to many fields, both creatively and ethically.

Graduate with a degree accredited by the Australian Computer Society.
Computer Science is a field that challenges creativity in an unusual way. The mentality it forges — one of problem solving — is something that can be applied to nearly all other facets of life. I believe that such a fundamental way of thinking is highly valuable. The technology that utilises the concepts of computer science is also something that is increasingly pervasive in society, which makes the field highly practical.

NIKY CHEN
Bachelor of Commerce (Econometrics) and Bachelor of Computer Science (Data Science)
Who are software engineers?
Software engineering is a young and exciting field of engineering, and one that’s constantly evolving as new technologies emerge. At the heart of it all are the skilled software engineers who design and create the cutting-edge IT software systems that our world relies on. You’ll see their work everywhere – dispensing medicines, controlling flight paths, even monitoring and shaping our shopping habits. Major corporations, governments and organisations depend on smartly designed and well-built software.

Your Monash Software Engineering experience
Software Engineering is a project-rich specialisation designed to address industry demand for tech-savvy graduates who possess large-scale software systems project capability. This course is part of the Bachelor of Engineering (Honours), and is taught by Monash IT.

In your first year you’ll undertake the engineering Common First Year, where you’ll immerse yourself in hands-on design-and-build activities, including building mobile apps. From second year onwards, you’ll focus on software engineering, with a combination of core and elective units.

You’ll have the opportunity to apply for our highly regarded Industry Based Learning program. The IBL allows successful applicants to undertake a half-year industry placement with leading Australian and global organisations. These placements count towards your course, and are supported by a generous $18,000 scholarship.

Prerequisite studies
VCE
English: Units 3 and 4: a study score of at least 30 in English (EAL) or 25 in English other than EAL
Maths: Units 3 and 4: a study score of at least 25 in Mathematical Methods (any) or Specialist Maths
Science: Units 3 and 4: a study score of at least 25 in Chemistry or Physics

IB
English: At least 4 in English SL or 3 in English HL or 5 in English B SL or 4 in English B HL.
Maths: At least 4 in Mathematics SL or 3 in Mathematics HL or 3 in Further Mathematics HL
Science: At least 4 in Chemistry SL or 3 in Chemistry HL or 4 in Physics SL or 3 in Physics HL

For in-depth course descriptions and structures visit: monash.edu/study

Lease to apply engineering principles to systematically analyse, develop and improve software to ensure it runs effectively, safely and securely.

Acquire high-level programming expertise, but you’ll also learn that software engineering goes well beyond just writing code.

Develop strong skills in teamwork, project management and communication through an emphasis on collaborative studio-based learning.

Graduate with a degree accredited by the Australian Computer Society and Engineers Australia.

Open the door to exciting opportunities for research and development.
Software engineering is one of those disciplines that keeps you on your toes; you can never know everything in a field that evolves with such rapidity. The demand for software engineers is much higher than the supply, so job opportunities tend to fall into your lap if you have the skills and the potential.

SALONI SHARMA
Bachelor of Software Engineering (Honours)
## DOMESTIC AND INTERNATIONAL ACADEMIC PREREQUISITES

All Monash undergraduate courses require you to have previously studied and achieved required standards in certain specified subjects.

The table below outlines the requirements, and the course listing tells you which levels apply to each course.

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration (Years)</th>
<th>Prerequisites (refer to academic prerequisites table above)</th>
<th>Minimum Study Score</th>
<th>Degree awarded</th>
<th>Location</th>
<th>Indicative ATAR</th>
<th>Indicative IB score</th>
<th>Month</th>
<th>Guarantee</th>
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<tbody>
<tr>
<td><strong>SINGLE DEGREES</strong></td>
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<tr>
<td>Information Technology</td>
<td>3</td>
<td>English (EAL) or any other English</td>
<td>30</td>
<td>Bachelor of Information Technology</td>
<td></td>
<td>80</td>
<td>28</td>
<td>75</td>
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<td></td>
<td></td>
<td>+ General Mathematics or Mathematical Methods or any mathematics</td>
<td>25</td>
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<tr>
<td>Computer Science</td>
<td>3</td>
<td>English (EAL) or any other English</td>
<td>30</td>
<td>Bachelor of Computer Science</td>
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<td>84.10</td>
<td>30</td>
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<tr>
<td></td>
<td></td>
<td>+ Mathematical Methods (any) or Specialist Mathematics</td>
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<td>Computer Science Advanced</td>
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<td>English (EAL) or any other English</td>
<td>30</td>
<td>Bachelor of Computer Science Advanced (Honours)</td>
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<td>95.15</td>
<td>37</td>
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<td>(Honours)</td>
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<td>+ Mathematical Methods (any) or Specialist Mathematics</td>
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<td>+ Chemistry or Physics</td>
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<tr>
<td>Software Engineering</td>
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<td>English (EAL) or any other English</td>
<td>30</td>
<td>Bachelor of Software Engineering (Honours)</td>
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<td>91.05</td>
<td>34</td>
<td>86</td>
<td></td>
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<tr>
<td>(Honours)</td>
<td></td>
<td>+ Mathematical Methods (any) or Specialist Mathematics</td>
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<td>+ Chemistry or Physics</td>
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<td>Unit 3/4 completion</td>
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</tbody>
</table>

### DOMESTIC ADMISSIONS AND ATARS

The table below outlines the course requirements. Note that some courses have selection and/or extra requirements such as folios, admissions texts or interviews. Make sure you check if this applies to the course you choose.
Some double degree courses may require you to study across two campuses in order to complete your course. To be eligible for admission to a double degree course, you’ll need to meet the academic entry requirements for both single-degree courses. All scores are to be used as a guide only.

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration (Years)</th>
<th>English</th>
<th>Mathematics</th>
<th>Science</th>
<th>Prerequisites (refer to academic prerequisites table on page 20)</th>
<th>Degree awarded</th>
<th>Location</th>
<th>Indicative ATAR</th>
<th>Indicative IB score</th>
<th>Monash Guarantee</th>
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<tbody>
<tr>
<td><strong>DOUBLE DEGREES</strong></td>
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<tr>
<td>Business / Information Technology</td>
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<td>[Approved list or specified]</td>
<td>Bachelor of Business and Bachelor of Information Technology</td>
<td>CA, CL</td>
<td>84</td>
<td>30</td>
<td>75</td>
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<tr>
<td>Commerce / Computer Science</td>
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<td>Bachelor of Commerce and Bachelor of Computer Science</td>
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<td>91.70</td>
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<td>86</td>
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<tr>
<td>Commerce / Information Technology</td>
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<td></td>
<td></td>
<td></td>
<td>Bachelor of Commerce and Bachelor of Information Technology</td>
<td>CL</td>
<td>91.50</td>
<td>34</td>
<td>86</td>
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<tr>
<td>Design / Information Technology</td>
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<td></td>
<td></td>
<td>Bachelor of Communication Design and Bachelor of Information Technology</td>
<td>CA, CL</td>
<td>86</td>
<td>31</td>
<td>75</td>
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<tr>
<td>Education / Information Technology</td>
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<td>Bachelor of Education (Honours) in Primary Education and Bachelor of Information Technology</td>
<td>CL</td>
<td>E:82+</td>
<td>E:29+</td>
<td>75+RC</td>
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<tr>
<td>Engineering / Arts†</td>
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<td></td>
<td></td>
<td>Bachelor of Software Engineering (Honours) and Bachelor of Arts</td>
<td>CL</td>
<td>E:92+</td>
<td>E:35+</td>
<td>86</td>
</tr>
<tr>
<td>Engineering / Commerce</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bachelor of Software Engineering (Honours) and Bachelor of Commerce</td>
<td>CL</td>
<td>92</td>
<td>34</td>
<td>86</td>
</tr>
<tr>
<td>Engineering / Computer Science</td>
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<td></td>
<td></td>
<td>[Chemistry or Physics]</td>
<td>Bachelor of Electrical and Computer Systems Engineering (Honours) and Bachelor of Computer Science</td>
<td>CL</td>
<td>92.25</td>
<td>34</td>
<td>86</td>
</tr>
<tr>
<td>Engineering / Information Technology</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>[Chemistry or Physics]</td>
<td>Bachelor of Electrical and Computer Systems Engineering (Honours) and Bachelor of Information Technology</td>
<td>CL</td>
<td>E:92+</td>
<td>E:35+</td>
<td>86</td>
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<tr>
<td>Engineering / Science</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>[Chemistry or Physics]</td>
<td>Bachelor of Software Engineering (Honours) and Bachelor of Science</td>
<td>CL</td>
<td>92</td>
<td>34</td>
<td>86</td>
</tr>
<tr>
<td>Fine Art / Information Technology</td>
<td>4</td>
<td></td>
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<td></td>
<td></td>
<td>Bachelor of Visual Arts and Bachelor of Information Technology</td>
<td>CA, CL</td>
<td>E:80+</td>
<td>E:28+</td>
<td>75</td>
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<tr>
<td>Information Technology / Arts†</td>
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<td></td>
<td></td>
<td></td>
<td>Bachelor of Information Technology and Bachelor of Arts</td>
<td>CL</td>
<td>81.70</td>
<td>29</td>
<td>75</td>
</tr>
<tr>
<td>Information Technology / Science</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bachelor of Information Technology and Bachelor of Science</td>
<td>CL</td>
<td>85.35</td>
<td>31</td>
<td>75</td>
</tr>
<tr>
<td>Science / Computer Science</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bachelor of Science and Bachelor of Computer Science</td>
<td>CL</td>
<td>85.50</td>
<td>31</td>
<td>75</td>
</tr>
</tbody>
</table>

^ The scores provided are to be used as a guide only, and are either the lowest selection rank to which an offer was made in 2018 or an Estimate (E).
† Depending upon your Arts major you may take the Arts component at Clayton or Caulfield. CL – Clayton. CA – Caulfield.
RC – Range of Criteria.
1. Duration is based on a standard full-time load of 48 credit points per annum.
2. The Bachelor of Education is an accelerated course where you will be required to undertake more than the Standard Annual Load of 48 credit points in year 2 and/or year 3 in order to complete the course in four calendar years.

For detailed international, non-school leaver requirements, and double degree entry requirements, visit monash.edu/study
### 2019 INTERNATIONAL ENTRY REQUIREMENTS

<table>
<thead>
<tr>
<th>Qualification</th>
<th>Entry Score</th>
<th>Calculation of Score</th>
<th>Minimum English language requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>All India Senior School Certificate</td>
<td>70% 75% 82% 81%</td>
<td>Overall average of the best four academic subjects (excluding Physical Education) and result indicated as &quot;PASS&quot;.</td>
<td>60% in English Core.</td>
</tr>
<tr>
<td>Australian Year 12</td>
<td>75 80 90 87.5</td>
<td>Final ATAR as awarded by the relevant Australian state Year 12 authority.</td>
<td>Units 3 and 4: a study score of at least 30 in English (EAL) or 25 in English other than EAL (or equivalent interstate English subject).</td>
</tr>
<tr>
<td>GCE A Level</td>
<td>8 9 12 11</td>
<td>Total score of a maximum of the best three A Level subject examinations taken within two years. Two AS Level subjects can be counted in place of one A Level subject, provided that the subject has not been taken at A Level, and there is at least one A Level subject included in the calculation. AS Level results cannot be used to replace a poor performance in an A Level subject. Score A Level grades as follows: A*(a*)=5, A(a)=4, B(b)=3, C(c)=2, D(d)=1, E(e)=0. Score AS Level grades as follows: a(a)=2.5, b(b)=2, c(c)=1.5, d(d)=1, e(e)=0.5. U=0. N (Narrow failure) and U (Unclassified) are not to be included in the calculation. A maximum of 1 bonus point is offered when achieving A* in an A Level subject. GCE A Levels must be awarded by: University of Cambridge International Examinations, PEARSON, Council for the Curriculum, Examinations and Assessment, Oxford, Cambridge and RSA Examinations, Welsh Joint Education Committee or Assessment and Qualifications Alliance.</td>
<td>&gt; C grade or score of 4 in one of the following IGCSE subjects: Literature in English OR Literature (English) OR English Literature OR First Language English OR English Language OR English Language A OR English Language B, OR &gt; C grade in IGCSE English as a Second Language, OR &gt; C grade in one of the following GCE O Level subjects: English Language OR Literature in English OR English Literature OR English Language OR English Language B, OR &gt; E grade in one of the following GCE AS Level subjects: General Paper OR General Studies OR English Language OR Language and Literature OR English Literature OR English Literature and Language OR English Literature.</td>
</tr>
<tr>
<td>Hong Kong Diploma of Secondary Education</td>
<td>17 18 21 20</td>
<td>Total score of the best five subjects’ (Category A and C only). Score graded as follows: Level 1=1, Level 2=2, Level 3=3, Level 4=4, Level 5=5 or A=5, B=4, C=3, D=2, E=1. A maximum of 1 bonus point is offered when achieving Level 5** or Level 5* in a HKDSE Category A subject.</td>
<td>Level 4 in HKDSE English Language.</td>
</tr>
<tr>
<td>Indian School Certificate Examination</td>
<td>65% 70% 77% 76%</td>
<td>Overall average of the best four academic subjects (excluding Physical Education) and results indicated as &quot;PASS CERTIFICATE AWARDED&quot;.</td>
<td>60% in English.</td>
</tr>
<tr>
<td>International Baccalaureate (IB) Diploma</td>
<td>26 28 33 31</td>
<td>Total final score as awarded on the final official transcript.</td>
<td>4 in English SL or 3 in English HL or 5 in English B SL or 4 in English B HL.</td>
</tr>
<tr>
<td>National Certificate of Educational Achievement Level 3, New Zealand</td>
<td>To view NCEA entry requirements, refer to: monash.edu/admissions/entry-requirements/nz-ncea-entry-requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monash University Foundation Year (MUFTY)</td>
<td>70% 70% NA</td>
<td>To calculate the average mark required for the Monash University Foundation Year score information available at: monashcollege.edu.au/courses/foundation-year/destination-degrees. The undergraduate entry requirements published in this brochure are for students who commence the MUFTY program in 2019.</td>
<td>65% in MUFTY English.</td>
</tr>
<tr>
<td>Monash College Diploma</td>
<td>Diploma Part 1: 75% 80% 80% 60%</td>
<td>To calculate the average mark required for the Monash University destination degree, refer to the relevant diploma program information available at monashcollege.edu.au/courses/diplomas/destination-degrees. The Monash College Diploma Part 1 and Part 2 entry requirements published in this guide are for students commencing their undergraduate destination degree in 2020.</td>
<td>Successful completion of the course provided that the course has been completed within the last two years of the Monash University commencement date.</td>
</tr>
<tr>
<td>Ontario Secondary School Diploma – Grade 12, Canada</td>
<td>75.50% 78.60% 84.90% 83.30%</td>
<td>Overall average of the best six academic Grade 12 subjects (excluding workplace preparation courses and open courses). Students must achieve a minimum total of 30 credits and complete Community Involvement.</td>
<td>50% in Grade 12 English.</td>
</tr>
<tr>
<td>High School Diploma (Bằng Tốt nghiệp Trung Học Phổ thông) Vietnam</td>
<td>8.14 8.28 8.56 8.49</td>
<td>Overall average of all Grade 12 subjects.</td>
<td>Submission of an approved English language proficiency test (such as an Academic IELTS or equivalent) with the required scores. Refer to the Monash Find a course to locate the Monash courses English language proficiency test requirements: monash.edu/study/courses</td>
</tr>
<tr>
<td>Qualification</td>
<td>Entry Score</td>
<td>Calculation of Score</td>
<td>Minimum English language requirements</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-------------</td>
<td>----------------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>SAT (Scholastic Aptitude Test)</td>
<td>1600</td>
<td>Total score of 2400: Total score obtained by adding the highest section scores* by adding the best scores achieved for &quot;Critical Reading&quot;, &quot;Mathematics and Writing&quot; across all SAT examinations submitted to Monash University.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1650</td>
<td>*In order for the final score to be calculated all SAT scores must be marked out of 2400. The following documents must also be submitted. &gt; Official final SAT examination issued by The College Board &gt; Official final academic transcript and Diploma Certificate for a regionally accredited American High School Diploma (or equivalent Australian Year 12 qualification)**. If a student has undertaken multiple American Admission Tests (i.e. SAT, AP or ACT), the test with the highest achieved scores will be considered as meeting Monash University undergraduate entry requirements to determine whether the student has met the entry requirements. Note: The American High School Diploma cannot be accepted independently for admission into Monash University.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1800</td>
<td>1770</td>
<td>A pass average in Grade 12 English or Grade 12 English Subject or AP examination score of 3 in AP English Language and Composition and AP English Literature and Composition. It should be noted that if a student has undertaken a combination of Grade 12 English, Grade 12 English Rich subjects or an approved AP English examinations (as listed above), only the Grade 12 English subject will be considered as meeting Monash University English language requirements. The acceptance of Grade 12 English Rich subjects are subject to faculty approval.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total score out of 1600: Total score obtained by adding the highest section scores*** by adding the best scores achieved for &quot;Evidence Based Reading and Writing&quot; and &quot;Math&quot; across all SAT examinations submitted to Monash University. *<strong>In order for the final score to be calculated all SAT scores must be marked out of 1600. The following documents must also be submitted. &gt; Official final SAT examination issued by The College Board &gt; Official final academic transcript and Diploma Certificate for a regionally accredited American High School Diploma (or equivalent Australian Year 12 qualification)</strong>. If a student has undertaken multiple American Admission Tests (i.e. SAT, AP or ACT), the test with the highest achieved scores will be considered as meeting Monash University undergraduate entry requirements. Note: The American High School Diploma cannot be accepted independently for admission into Monash University.</td>
<td></td>
</tr>
<tr>
<td>SMA3, Indonesia – on a 100% scale where 60% is a pass.</td>
<td>80%</td>
<td>Overall average of Semester 1 and Semester 2 Grade 12 results</td>
<td>Submission of an approved English language proficiency test (such as an Academic IELTS or equivalent) with the required scores. Refer to the Monash Find a course to locate the Monash courses English language proficiency test requirements: monash.edu/study/courses</td>
</tr>
<tr>
<td>South Africa, National Senior Certificate (awarded from 2009 and onwards)</td>
<td>33</td>
<td>Total of the best 6 subject (excluding Life Orientation). A maximum of 2 bonus points is offered for achieving: &gt; English Home Language achievement of Level 6 or above = +1 &gt; Mathematics achievement of Level 6 or above = +1 &gt; Mathematical Literacy achievement of Level 6 or above = +1</td>
<td>Level 4 in English Home Language.</td>
</tr>
<tr>
<td>Monash South Africa Foundation Program, South Africa†</td>
<td>65%</td>
<td>Overall average of all subjects (including fails).</td>
<td>An average score of 65% in English for Academic Purposes and Academic Research.</td>
</tr>
<tr>
<td>STPM, Malaysia</td>
<td>8.67</td>
<td>Total of the best three subjects, excluding Pengajian Am (General Studies).</td>
<td>C grade in GCE O Level English Language – 1119 (SPM)</td>
</tr>
<tr>
<td>UEC, Malaysia</td>
<td>5</td>
<td>Overall average of the best five subjects. Only grades A1, A2, B3, B4, and B6 to be included in calculation. C7, C8 and F9 cannot be included in the calculation. Five subjects must be included in the calculation with a score of B6 grade or higher in each subject. Score grades as follows: A1=1, A2=2, B3=3, B4=4, B5=5, B6=6. It should be noted that a score of A1 is the highest score.</td>
<td>Submission of an approved English language proficiency test (such as an Academic IELTS or equivalent) with the required scores. Refer to the Monash Find a course to locate the Monash courses English language proficiency test requirements: monash.edu/study/courses</td>
</tr>
<tr>
<td>UNSW Foundation Studies</td>
<td>7</td>
<td>Final grade point average.</td>
<td>C grade in Academic English.</td>
</tr>
<tr>
<td>University of Melbourne Trinity Foundation Studies</td>
<td>72%</td>
<td>Overall average of the best four subjects.</td>
<td>65% in English and 50% in English for Academic Purposes.</td>
</tr>
</tbody>
</table>

In addition to the above entry requirement students must also satisfy the following prerequisite requirements:
> Bachelor of Information Technology C2100 = Australian Year 11 mathematics equivalent
> Bachelor of Computer Science C2101 & Bachelor of Computer Science Advanced (Honours) C3001 = Australian Year 12 higher level mathematics equivalent
> Bachelor of Software Engineering E3000 = Higher level mathematics and chemistry or physics (all Australian Year 12 equivalent).

Other international qualifications entry requirements can be found at monash.edu/prior-study.

Please note that all entry requirements for Monash University are subject to change.

It should be noted that where an applicant has completed several measures of English proficiency over a period of time, only the most recent measure will be considered.

* Note that the science stream offered within the Monash South Africa Foundation Program cannot be accepted for admission into any Monash University Undergraduate courses.

** Students who have undertaken an American Admission Test (i.e. SAT, AP or ACT) with another international qualification (equivalent to an Australian Year 12) will be considered for Monash University undergraduate admission, however the qualification or American Admission Test with the highest achieved score will be used to determine whether the student has met the entry requirements.

NA – Not applicable
ALTERNATIVE PATHWAYS

Direct entry is just one way to embark on your undergraduate degree with Monash IT; our alternative pathways offer many more opportunities to embark on your undergraduate IT journey.

Technical and Further Education (TAFE)
Satisfactory completion of a TAFE Certificate IV or diploma can enable you to gain admission into an IT degree. If your previous study in a diploma qualification is assessed as being equivalent to Monash University units, credit may be granted.

monash.edu/study/courses/find-a-course

Transfer from other universities
Students from other universities are able to transfer to Monash. If your previous study is assessed as being equivalent to Monash University units, credit may be granted.

monash.edu/study/courses/find-a-course

Single units of higher education study
If you successfully complete two approved higher education IT single units, you are eligible to apply for entry into a Monash IT undergraduate course.

monash.edu/study/courses/find-a-course

Monash College
Monash College is a preferred pathway for students who aspire to study Information Technology at Monash University but who narrowly miss the academic requirements for direct entry. The course you choose depends on your current level of study and future career plans. After completing your first year with Monash College, depending on the results you receive, it may be possible to transfer to Monash University for the remainder of your course.

monashcollege.edu.au

Transfer from another Monash course
You can apply to transfer to a Monash IT degree from any other Monash degree, if you meet the criteria.

monash.edu/it/future-students/how-to-apply

Diploma of Higher Education Studies (Monash Malaysia)
Satisfactory completion of the Diploma of Higher Education IT stream qualifies you for entry into the second year of Bachelor of Computer Science at the Monash University Malaysia campus.

monash.edu/it/future-students/how-to-apply

Monash University English Language Centre (MUELC)
All of Monash’s IT courses have minimum English language requirements. Our English language centre offers English language programs to assist students in meeting these requirements.

monash.edu/englishcentre

Discuss your options
Would you like to discuss your options? Give us a call on 1800 MONASH (666 274) or email future@monash.edu and we can help you make your choice.
HOW TO APPLY

Domestic students

Apply through VTAC
If you are an Australian or New Zealand citizen or an Australian permanent resident, apply through the Victorian Tertiary Admissions Centre (VTAC).
www.vtac.edu.au

Mid-year entry
For mid-year entry, apply directly to Monash.
monash.edu/admissions/apply/domestic-ug

Fees
Commonwealth Supported Places available for eligible applicants, and HECS-HELP.
monash.edu/enrolments/government-loans/
commonwealth-supported-place

FEE-HELP
Loan options for eligible applicants.
monash.edu.au/enrolments/loans/domestic-full-fee

International students

Apply directly to Monash University
All international students must apply for a Monash University course online. Please refer to the following website for a step-by-step guide:
monash.edu/study/how-to-apply

Note: International students who are undertaking an Australian Year 12 qualification (for example, VCE or equivalent) in Australia or overseas, International Baccalaureate (IB) Diploma in Australia or New Zealand, or National Certificate of Educational Achievement (NCEA) Level 3 in New Zealand must apply through the Victorian Tertiary Admissions Centre (VTAC).
www.vtac.edu.au

Fees
Fees for each course can be found at
monash.edu/study/courses/find-a-course

SCHOLARSHIPS AND AWARDS

At Monash, we pride ourselves on rewarding excellence and supporting students who are disadvantaged. We have an extensive range of scholarships, grants and awards, including scholarships for Women in IT, IBL Placement Scholarships, IT Indigenous Scholarships, Merit Scholarships, Excellence Scholarships, and so many more.

monash.edu/it/ibl
monash.edu/scholarships

UPCOMING EVENTS

Build your network, broaden your knowledge, and connect with your community – with our regular Monash events.

Inside Monash seminars
17 May 2018 and 6 September 2018
Get the inside story of what it’s really like to study at Monash. You’ll hear from a current student, a past student and an academic.

Open Day
5 August 2018
Discover what it’s like to be a Monash student. Open Day is a chance to talk with current students, meet academics and speak with our student services team about your future. Watch live demonstrations, tour our facilities and soak up the campus atmosphere.

ENGenuITy: Change the World with Engineering and IT
10 July 2018
Are you in year 10? Do you love solving problems, and enjoy maths and science? If this sounds like you, join us for this free girls only event for year 10 girls and discover the world of Engineering and IT.

Take CTRL
27 September 2018
Interested in learning about how information technology is shaping our future? This is your chance to take control and join like-minded students to explore where a career in IT can lead. Participate in exciting, innovative workshops, experience the latest technologies, interact with our current students and hear from our alumni.

INTERESTED IN STUDYING IT AT MONASH?

Register here to stay up to date with all the latest Monash IT news and events.
monash.edu/it/register-your-interest
Monash and the Faculty of IT are proud to have the following industry partners who support our students through scholarships and prizes:

![List of industry partners logos]

Personal donors: Apostolidis Family, Clive Weeks AO, Dr CM Tay, The Dubsky Family

The information in this brochure was correct at the time of publication (April 2018). Monash University reserves the right to alter the information should the need arise. You should always check with the relevant faculty office when considering a course.

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