Monash is the only research-intensive Group of Eight university with a dedicated Information Technology faculty. That means when you join us, you are part of a community that recognises IT is changing almost everything we do – the way we communicate, the way business is conducted and the way entertainment is experienced.

www.infotech.monash.edu

**Student-focused**
We put our IT students first when we design our courses. We offer a comprehensive program that lets you experience all the IT world has to offer. And we give you access to experts, subjects, technology and professional experience that is relevant to the career you want to pursue within one of the world’s most dynamic fields.

**The perfect fit**
Our common core units across all IT degrees will give you a solid foundation in the key areas of computing and information technology. As you progress in your degree, you have the choice of unique subjects that will give you the confidence to specialise in an area of interest.

**Industry-based learning**
You will gain a competitive advantage by completing placements with industry partners for one or two 22-week periods. And you can take on the challenge of graduate-level work during your degree.

Over 80 per cent of all Industry Based Learning graduates are employed by our industry partners, including prestigious organisations such as Deloitte, KPMG, PricewaterhouseCoopers, ANZ, National Australia Bank, Accenture, AXA, Coles, General Electric and IBM.

**Trent Rebeiro**
Bachelor of Information Technology and Systems

Touched by an entrepreneurial streak, Trent Rebeiro has taken his high school hobby and turned it into a successful web development business – Southern Pacific Digital. He achieved this while studying a Bachelor of Information Technology and Systems at Monash.

“I chose this course because it contains a broad range of units that covered each topic that linked in with each other to provide a more comprehensive understanding of the IT fields,” Trent says.

The Multimedia Applications major allowed him to focus on the multimedia interests closest to his heart. “I chose the multimedia major steam because I quite enjoyed animating and producing digital content which I often did as a pastime when in high school. This course is essentially an extension to my knowledge.”
Bachelor of Computer Science

Computer science is concerned with the scientific study and design of computer software and hardware. It covers software development, programming, hardware, and theoretical foundations. These are studied in the context of applications in science and industry. While the course teaches current technology, it emphasises the general foundations of computation.

What makes it great
The nature of the studies positions graduates well to not only work on current technology, but also develop the next generation of information technology and to shape the future of computing.

High-achieving local students in all IT undergraduate degrees may apply for a place in the Industry-Based Learning (IBL) program in which they complete a 22-week industry placement and receive a scholarship of up to $19,000. The placement is part of the curriculum and is formally assessed and credited towards the degree.

Once you’ve graduated
Graduates are in demand and may gain employment in a wide variety of roles such as software engineers, systems analysts, technology consultants, and algorithm designers. Successful graduates often perform research and development in exciting areas such as artificial intelligence, bioinformatics, networking and cryptography, computer games, multimedia, and robotics.

Bachelor of Information Technology and Systems

Information technologies and computer-based systems of many kinds are now central to the operations of almost all organisations in business, industry and government. In recent years, they have also played an increasingly important part in people’s personal lives for social and recreational purposes. The global spread of information technologies has created a worldwide need for skilled professionals to design, develop and implement computer-based systems. The aim of this degree is to give students the opportunity to explore all aspects of IT and its uses, and to produce graduates with knowledge and skills in a variety of key areas of IT and computer-based systems.

The degree offers units across the complete spectrum of IT. These range from units in non-technical aspects such as the nature of information and organisational needs for IT, through the hardware, software, network and multimedia technologies which are used to satisfy these needs, to the development and management skills needed to create and implement computer-based systems. Students can choose to specialise in a particular area of IT or select from a variety of areas according to their aptitude and interests.

Majors offered are: Applications development and networks, Business systems, Enterprise information management, Games development, Information and communications technologies and Multimedia development.

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Once you’ve graduated
IT professionals are found in every industry and workplace, from business, government and health care, to sports and entertainment. The breadth of content in the degree means that it supports a wide range of possible career paths in all aspects of IT, ranging from technical areas such as programming, software and systems development, hardware and network implementation and support, through to less technically-oriented areas such as information management and systems analysis and design.
Bachelor of Business Information Systems

Business information systems experts provide IT solutions for business problems. As this role demands graduates be familiar with today’s business world, industry partners provide ongoing input into the development of this course. Students can apply for a 22-week Industry Based Learning placements and receive a generous scholarship of up to $34,000.

Bachelor of Computer and Information Sciences

Computer and information science professionals must be flexible and have a broad knowledge of computer-based systems to meet the needs of major businesses. Students in this degree get experience across a range of options from technical computing to information and business related themes. It is flexible, and lets students opt for breadth or focus their studies by completing majors in applications development and networks or business systems.

Bachelor of Computer Science

Computer scientists shape the future of computer software and hardware. They power developments across entertainment, internet technology, scientific research and computer security. This course reflects the dynamic nature of the field, focusing on software development, computer architecture, and the underlying theory of computation that will drive future computer science breakthroughs. Students can apply for a 22-week Industry Based Learning placement and receive a generous scholarship of up to $19,000.

Bachelor of Information Technology and Systems

Information technology and systems explores the complete spectrum of IT – from non-technical areas, through hardware, software, network and multimedia technologies to the creation of entire systems. This degree offers great flexibility, with students able to select from seven major study areas. Students can apply for a 22-week Industry Based Learning placement and receive a generous scholarship of up to $19,000.

Bachelor of Software Engineering

Software engineers are responsible for the design and construction of large, complex systems, which must meet critical information processing challenges within the strict business constraints of cost, time and risk management. Monash prepares students for this work by exposing them to advanced problem-solving, programming, and software development and processing issues. Students can apply for a 22-week Industry Based Learning placement and receive a generous scholarship of up to $19,000.

Double degrees

Bachelor of Business and Commerce and Bachelor of Information Technology and Systems

This degree is a combination of the two single degrees. Please see the individual descriptions for more information.

Bachelor of Business Information Systems

Bachelor of Computer Science

Bachelor of Information Technology and Systems

Bachelor of Software Engineering

2012 Indicative CSP fee (A$): The fees that domestic students contribute while enrolled in a Commonwealth Supported Place (CSP) are listed against course offerings throughout this guide. These rates are indicative only and represent an average first-year contribution 2012. Some adjustments will be made to fees for course commencement in 2013. Refer to www.monash.edu/fees. For the latest course details see www.monash.edu.au/study/coursefinder