The University of Tasmania has recently re-confirmed its position as one of Australia’s best universities in a wide range of disciplines, as ranked by the internationally recognised QS World University Rankings for 2015.

The international ratings agency evaluate more than 3000 universities for academic reputation, employer reputation and research impact.
We help you become who you want to be

Computing and Information Technology (IT) play an increasingly vital role in almost all aspects of our world. Computing and Information Technology affects occupations and contributes to productivity gains, innovation and job growth across all industries. Around the world, employers are looking for professionals with knowledge and skills in this area. They need people who are capable of understanding and improving organisational processes through the use of Computing and IT.

Our degrees offer core knowledge and specialist units across the complete spectrum of Computing and Information Technology. They range from non-technical areas such as the nature of information and the organisational need for Information and Communication Technology (ICT), to the hardware, software, network and creative technologies used to satisfy these needs, to the communication, design, development and management skills needed to create and implement ICT components.

Our Computing and IT degrees give you the skills and knowledge to grow into leadership positions, the drive to act on entrepreneurial ambition and the confidence to pursue research and graduate studies. Inter-disciplinary research in Computing and IT is a strength of the University. Our three strategic research themes are Smart Systems, Services and Applications; Computational Data Modelling and Analysis; and Information, Visualisation and Social Media. Our researchers conduct their research with a wide range of internal and external research organisations.

We offer core knowledge and specialist units across the complete spectrum of ICT.
Studying Computing and IT

Who Studies Computing and Information Technology?
People with inquiring minds who love solving problems, creating solutions and refining their work. Computing and IT is ideal if you enjoy maths and science, as the discipline requires abstraction as well as computational, creative and critical thinking.

A career in Computing and IT gives you the ability to combine creativity and logic. You’ll learn to analyse problems, identify and define Computing and IT requirements, and apply your technical skills and your knowledge of these principles to develop multiple possible solutions and evaluate the strengths and weaknesses of those solutions.

This is a career that rewards professionals who can take initiative and work independently. It’s an area that rewards multi-tasking. It can work for people who like to lead as well as those who like operating in a team environment.

You’ll be encouraged to find opportunities for international exchange. And, as part of your course, you’ll be required to complete an industry experience placement or community project.

Career opportunities with a Computing and Information Technology degree
Graduates qualify for technical positions but often move into management roles within companies, organisations or consultancies across many industries.
Students will be qualified for a broad range of graduate positions, such as:
- Business process modeller
- Data modeller/analyst
- Project support officer
- Software designer
- Software developer, including: Application developer, Web developer, Games developer (with Games and Creative Technology major) and VR/AR developer (with Games and Creative Technology major)
- Systems analyst (with Software Development major)

After gaining several years of experience, graduates can progress to leadership roles, such as:
- Benefits analyst (with Software Development major)
- Business analyst
- Capacity planner/analyst (with Software Development major)
- Database administrator (with Software Development major)
- Network analyst/manager (with Software Development major)
- Project manager
- Security specialist (with Software Development major)
- Systems administrator (with Software Development major)
- Testing manager

Your study opportunities
Different students have different goals. If you simply want to give yourself the best start for a better chance at a great career, a degree course is an excellent option.
If you want to pursue a passion or want more specialist knowledge and expertise in a chosen field, a double degree or a degree with honours can give you expanded career opportunities.

Degree: Major and Minor (Specialist) studies
Studying a particular area of interest can focus your learning, research and communication skills.

A single degree usually takes three years to finish (full-time) and requires the successful completion of 24 units.

For the Bachelor of Information and Communication Technology, all students complete a compulsory eight-unit major called ICT Professional, and a compulsory four-unit minor in Information and Communication Technology.

Your chosen specialist major (Games and Creative Technology or Software Development) represents a further eight units (two introductory, two intermediate, four advanced units).

You complement this knowledge with two student electives and two breadth units.
Depending on your chosen course, you may be able to combine learning on and off campus, or study part-time or online.
Flexible study options can make it easy to fit study around your work and life commitments.

▼A distinctive, energising and rewarding university experience for all students.
Double or Combined degrees
Double degrees are pretty much exactly how they sound. A double degree merges the core requirements of two different degrees. This lets you graduate with the equivalent of two degrees faster than it would take to do two separate degrees.

Double degrees can give you greater depth of knowledge in more than one area. This gives you more career options. If you’re academically capable and want to challenge yourself, a double degree is an ideal way to get the most from your time at university.

Honours
The ICT Honours year allows students to pursue advanced studies in a particular area of interest and can mean you start your career higher up the ladder and progress faster. It’s an opportunity to cultivate research and development skills and is also a pathway for high-achieving graduates to enter a doctoral program (PhD).

The Bachelor of Information and Communication Technology with Honours can also open up a wider range of career opportunities, including research and development, analytic or academic positions.

Alternative entry pathways
If you don’t have the prerequisites or ATAR score for direct entry into your chosen degree, an alternative entry pathway can help you get into the course you want.

Foundation units are available to help you meet a course prerequisite requirement, such as mathematics or programming. These units can be taken individually and are a way to quickly bridge a prerequisite gap so you can start your studies faster.

Students who successfully complete the one-year Bachelor of General Studies (ICT Pathway) will be able to apply for a Bachelor of Information and Communication Technology (BICT) with credit.

If students have completed the TassTAFE Diploma of Information Technology they may be granted up to one year’s credit into the BICT.

Students who have completed a TassTAFE Certificate IV in IT are eligible to enrol in the BICT concurrently with the Diploma of IT and Advanced Diploma of IT, to complete all qualifications in four years (or equivalent part-time).

Alternatively, for mature age students or those who did not complete year 11 and 12, the University Preparation Program (UPP) at our University offers a broad range of subjects designed to ensure students have the skills critical for success at university.

Professional recognition
The recently redesigned BICT degree has been developed in consultation with the Australian Computer Society (ACS) to be responsive to the current and future needs of the ICT industry.

Accreditation for the degree can only be granted after there have been some graduates. This professional level accreditation is currently being sought and it is anticipated that all graduates of the BICT will be eligible for membership of the ACS.

Study Abroad
Our international exchange program offers opportunities for a semester of study at universities around the world. Exchange can allow students to have an affordable educational and cultural experience in a foreign country for a semester or a full year.

For instance, the University of Tasmania is a partner in the Australian European Network (AEN) and the Magellan Exchange. EAN is an Exchange network that links us to 27 European Partner Universities in 26 countries, and Magellan links us to over 30 global partners in 12 countries, including Germany, France and the USA.

Study Abroad Scholarships
The University actively encourages our students to extend their learning opportunities by undertaking international study exchange. To facilitate this, we offer a range of scholarships and financial assistance.

Participants may be eligible for OS-HELP Loans or scholarship funding to assist with their airfares, accommodation and other expenses.
Your study experience

Your learning experience goes beyond lectures, labs and tutorials.

The teaching environment at our University aims to provide a distinctive, energising and rewarding university experience for all students. Led by experienced and approachable staff, your learning could also include an international study exchange, valuable industry placement and practical project work.

Industry experience

The University has active relationships with the Tasmanian business community. In the final year of the BICT, students obtain practical work experience during a full-year project in which you design, engineer and implement ICT solutions to real industry problems. Students work in a team with an industry client to supply a product for the client.

Capstone ICT Projects

All students undertake a full-year project and gain the experience of developing a medium-scale computing project in a small team. All projects are real, with an external client or producer. All aspects of the development process are considered: problem specification, requirement extraction or concept formulation, system design, implementation, integration, testing and documentation. Students experience working in a team and deal with the associated problems of communication and team management.

Projects fall into one of four categories: business solution; market potential; social impact; or games and creative technology.

Additional learning resources

The University provides extensive teaching laboratory facilities that provide valuable hands-on experience in all technology specialisations. Students also experience the latest in technology development and application through challenging team projects.

Human Interface Technology Laboratory Australia (HITLab AU)

HITLab AU is a research and teaching facility focused on building advanced human-computer interface technology. It allows us to explore new forms of interface technology made possible by infrastructures such as the NBN and Ubiquitous Computing to realise interfaces in the wild.

Special facilities in the HITLab AU include Surface Research equipment in particular the VisionSpace, a three-screen immersive stereo projection system enabling groups of people to view and interact intuitively with virtual 3D data, and an Access Grid, a high-end, collaborative communication facility including HD videoconferencing capabilities.

Students have opportunities to undertake elective units or develop projects using HITLab AU.

UTAS Technology and Computing Society

The Society was founded for students in the technology fields, as well as students who are interested in technology and how it affects them. The Society is involved in hosting tabletop days, LANs, Workshop and Tech talks, and BBQs, as well as helping students obtain funding towards traveling to tech events all over the globe.

Scholarships

Each year, the University offers more than 900 general and specific awards, across all academic areas. Awards are based on merit and equity and reward excellence and improve access for new or continuing students. Application details and selection criteria for each award are available on our website and within the online application.

See: utas.edu.au/scholarships-bursaries

Awards are based on merit and equity and reward excellence and improve access.
Course information

Bachelor of Information and Communication Technology (ICT)

- Duration: Three years full-time or equivalent part-time
- Prerequisites: Successful completion of TCE (Tasmanian Certificate of Education) or interstate equivalent or General Entry Requirements*
- Entry: February, July
- Location: Hobart, Launceston
- Course code: 73T
- 2015 Round 1 Clearly-in ATAR: 65

A degree in ICT from the University of Tasmania gives you the knowledge and ability to stand out in the constantly changing landscape that is ‘technology’.

You will learn skills across the complete spectrum of ICT. You’ll develop knowledge and capabilities in communication, design, development and management and learn what it takes to implement and integrate ICT within an organisation.

In your third year of study you undertake an ICT Project where you work as part of a team to manage the development of an actual system. This will be a fully commercialised process, dealing with management, stakeholders, planning, development and execution. The project gives you real world experience before you even start your career.

Assumed knowledge
While there are no prerequisites for this degree, students who have not completed pre-tertiary or equivalent mathematics are recommended to complete a foundation unit in mathematics. Additionally, students who have not completed pre-tertiary or equivalent computer science will be required to complete a foundation programming unit.

Areas of study
- Games and Creative Technology (software design and development)
- Software Development (system design development, integration and administration)

High-achieving students may take research electives in each year including current ICT research within the school as well as a work-based unit.

Professional recognition
The recently redesigned BICT degree has been developed in consultation with the Australian Computer Society (ACS) to be responsive to the current and future needs of the ICT industry.

Accreditation for the degree can only be granted after there have been some graduates. This professional level accreditation is currently being sought and it is anticipated that all graduates of the BICT will be eligible for membership of the ACS.

Bachelor of General Studies (ICT Pathway)

- Duration: One year full-time or equivalent part-time
- Prerequisites: N/A
- Entry: February, July
- Location: Hobart, Launceston
- Course code: X3T
- 2015 Round 1 Clearly-in ATAR: N/A

The Bachelor of General Studies – Foundation Year Pathway is the first year of the Bachelor of General Studies and is designed as an alternative entry pathway to university study. In the foundation year, students study units which provide the skills and knowledge related to their intended pathway and are provided with additional support to maximise their chances of success.

Completion of the foundation year will provide achievement at introductory level in at least two units. Students who successfully complete the foundation year of the Bachelor of General Studies can exit with a Diploma of University Studies.

Areas of study
Students in the ICT Pathway study six Foundation level units and two introductory level units. The use of technology is embedded into a range of teaching and learning activities in this course.

Career opportunities
A Bachelor of Information and Communication Technology provides graduates with the knowledge and expertise required for a professional career in ICT.

The Bachelor of General Studies (ICT Pathway) is an alternative entrance program for the Bachelor of Information and Communication Technology, and as such, is not a stand-alone qualification with ICT career outcomes.

If you are interested in Computer Science and IT, you may also wish to look at the following undergraduate degrees in the relevant Study Theme booklets:
- Bachelor of Engineering
- Bachelor of Science
- Bachelor of Visual Communication

*General Entry Requirements are briefly outlined in the ‘How to apply’ section. Visit utas.edu.au/admissions for further details.
Financial matters

When you commence study with the University of Tasmania in a Commonwealth supported place (CSP), you must contribute towards the cost of your tuition. The amount you pay depends on which units you study and the payment method you choose.

Student contribution amounts and rules

To be eligible for a CSP you must be an Australian citizen, a New Zealand citizen or hold an Australian Permanent Resident Visa. The student contribution is calculated based on the units of study that you enrol in. Each unit is assigned to a ‘band’ according to the subject area it comes from. The band tells us how much to charge for one Equivalent full-time student load (EFTSL), equivalent to 100 credit points, or 100% load.

Most units at the University of Tasmania are 12.5 credit points (0.125 EFTSL), so to calculate the cost of a unit we multiply the contribution amount for that designated band by 0.125. For example, the student contribution amount for a 12.5 credit point Nursing unit of study would be $6152 \times 0.125 = $1076.63.

A typical three-year degree is made up of 24 units.

2015 student contribution by band

<table>
<thead>
<tr>
<th>BAND 1</th>
<th>BAND 2</th>
<th>BAND 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>$6152^* per full-time year (100% load)</td>
<td>$8768^* per full-time year (100% load)</td>
<td>$10,266^* per full-time year (100% load)</td>
</tr>
<tr>
<td>Nursing*</td>
<td>Mathematics*</td>
<td>Law</td>
</tr>
<tr>
<td>Education*</td>
<td>Statistics*</td>
<td>Accounting</td>
</tr>
<tr>
<td>Humanities</td>
<td>Science*</td>
<td>Administration</td>
</tr>
<tr>
<td>Social Studies</td>
<td>Computing</td>
<td>Economics</td>
</tr>
<tr>
<td>Behavioural Science</td>
<td>Built Environment</td>
<td>Business/Commerce</td>
</tr>
<tr>
<td>Clinical Psychology</td>
<td>Other Health</td>
<td>Dentistry</td>
</tr>
<tr>
<td>Foreign Languages</td>
<td>Allied Health</td>
<td>Medicine</td>
</tr>
<tr>
<td>Visual &amp; Performing Arts</td>
<td>Engineering</td>
<td>Veterinary Science</td>
</tr>
<tr>
<td>Mathematics*</td>
<td>Surveying</td>
<td></td>
</tr>
<tr>
<td>Science*</td>
<td>Agriculture</td>
<td></td>
</tr>
<tr>
<td>Computing</td>
<td>Veterinary Science</td>
<td></td>
</tr>
<tr>
<td>Built Environment</td>
<td>Veterinary Science</td>
<td></td>
</tr>
<tr>
<td>Other Health</td>
<td>Veterinary Science</td>
<td></td>
</tr>
<tr>
<td>Allied Health</td>
<td>Veterinary Science</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>Veterinary Science</td>
<td></td>
</tr>
<tr>
<td>Surveying</td>
<td>Veterinary Science</td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td>Veterinary Science</td>
<td></td>
</tr>
<tr>
<td>AMC</td>
<td>Veterinary Science</td>
<td></td>
</tr>
</tbody>
</table>

*The student contribution amounts for mathematics, statistics and science are subject to passage of the Higher Education Support Amendment (Student Contribution Amounts and Other Measure Bill 2012).

1. For pre-2010 students, the maximum annual student contribution amount that may be charged for Education and Nursing units is $4696.
2. From 1 January 2010, the maximum annual student contribution amount for commencing Commonwealth supported students undertaking Education and Nursing units of study has been increased from the ‘national priority’ rate to the Band 1 rate.
3. The increased maximum annual student contribution amounts affect only students who commence their course of study at a higher education provider on or after 1 January 2010.
4. If you are a mathematics, science, education, nursing or midwifery graduate you may be eligible for a HECS-HELP Benefit.
5. This table is a guide only. Fees are reviewed each year by the Commonwealth Government and may vary.

Other costs

Students are required to pay a student services and amenities fee (SSAF). In 2015, the fee is around $340 for a full-time undergraduate student.

Part-time students are charged on a pro-rata of study load undertaken. Students who are unable to pay the fee up-front can defer all or part of the fee through an element of the Higher Education Loan Program, known as SA-HELP.

The fee contributes to funding student services such as legal and health services, counselling, and sport and recreation activities.

You will also need to cover costs such as textbooks, materials, art supplies or software for your course. These costs can vary from course to course.

Accommodation and general living expenses will also vary depending on your chosen living arrangements.

To learn more about accommodation options, visit utas.edu.au/accommodation
How to apply

Applications are made directly to the University of Tasmania.

**Year 12 applicants**

For Year 12 students, applications for Semester 1 should be submitted electronically via the University’s online application process.

The ‘timely’ application period opens in August and closes in the last week of September. Late applications will be accepted by the University, but some programs that have special requirements and will not accept late applications.

**Changing your preference**

You can change your original ‘timely’ application course preferences during the Change of Preference period in December. This allows you to modify your course selection depending on your results from your final examinations.

Learn more by visiting [utas.edu.au/apply](utas.edu.au/apply)

**Non-school leaver (mature aged) applicants**

If you are not a Year 12 student, you apply directly to the University via the online application process. As a non-year 12 student your application will be considered on a broad range of factors, including previous studies, work experience and any extra requirements specified for the course.

To meet the General Entry Requirements (GER) into an undergraduate degree, at least one of the following must be completed:

- Year 12
- Certificate IV, diploma or advanced diploma and/or
- Successful completion of a University enabling program
- Personal competency statement demonstrating how work experience or background meets the University’s General Entry Requirements

Particular degrees may also require you to sit a Special Tertiary Admissions Test.

Visit [utas.edu.au/courses](utas.edu.au/courses) or [utas.edu.au/apply](utas.edu.au/apply) for further details.
# Quick reference guide

## Degrees

<table>
<thead>
<tr>
<th>COURSES</th>
<th>DURATION</th>
<th>Clearly-in ATAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Information and Communication Technology (ICT)</td>
<td>3 yrs FT or equivalent PT</td>
<td>65</td>
</tr>
</tbody>
</table>

## Double Degrees

<table>
<thead>
<tr>
<th>COURSES</th>
<th>DURATION</th>
<th>Clearly-in ATAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts/Bachelor of Information and Communication Technology</td>
<td>4 yrs FT or equivalent PT</td>
<td>65</td>
</tr>
<tr>
<td>Bachelor of Business/Bachelor of Information and Communication Technology</td>
<td>4 yrs FT or equivalent PT</td>
<td>65</td>
</tr>
<tr>
<td>Bachelor of Economics/Bachelor of Information and Communication Technology</td>
<td>4 yrs FT or equivalent PT</td>
<td>65</td>
</tr>
<tr>
<td>Bachelor of Information and Communication Technology/Bachelor of Science</td>
<td>4 yrs FT or equivalent PT</td>
<td>65</td>
</tr>
<tr>
<td>Bachelor of Information and Communication Technology/Bachelor of Laws</td>
<td>4 yrs FT or equivalent PT</td>
<td>90</td>
</tr>
<tr>
<td>Bachelor of Information and Communication Technology/Bachelor of Visual Communication</td>
<td>4 yrs FT or equivalent PT</td>
<td>65</td>
</tr>
</tbody>
</table>

## Pathways

<table>
<thead>
<tr>
<th>COURSES</th>
<th>DURATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of General Studies (ICT Pathway)</td>
<td>1 yr FT or equivalent PT</td>
</tr>
<tr>
<td>University Preparation Program</td>
<td>1 yr FT or equivalent PT</td>
</tr>
</tbody>
</table>

To find more information about all University of Tasmania courses, visit [utas.edu.au/courses](http://utas.edu.au/courses)
KEY DATES

30 August 2015
University of Tasmania Open Day

Year-round availability
One-on-one course adviser appointments

FURTHER INFORMATION

1300 363 864
utass.edu.au