

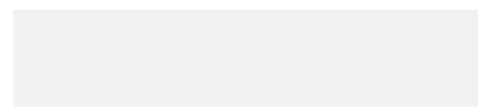
AUSTRALIA



Information Technology study guide

Course options and career opportunities

swinburne.edu.au/it





Thao

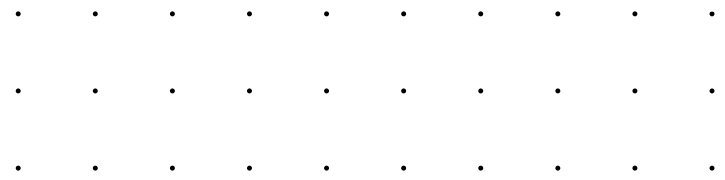
Bachelor of Computer Science

Learning and leading

"Computer science is a rapidly growing area that has become an integral part of the world" says Thao.

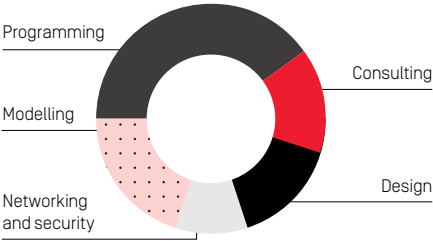
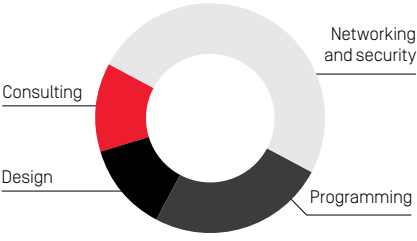
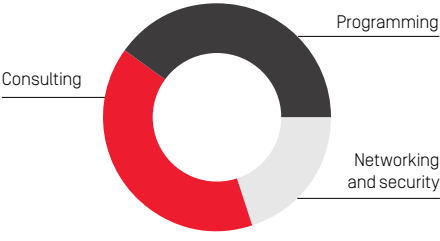
She considers it the perfect degree to open up a multitude of career pathways in her future. As the world continues to digitise, the technical skills that Thao is learning in her degree will become increasingly invaluable. She added, "Swinburne has very good industry connections that offer workplace experience for the students".

These work placements offer students more than just a glimpse into the world of work; they provide an opportunity to form long-lasting industry connections with potential future employers.



A degree in IT can take you anywhere.

Technology continues to evolve at a rapid pace. Study IT at Swinburne and get the next-gen skills to make yourself indispensable to the future workforce. A career in IT could see you working across transport, health, finance, media, manufacturing, energy and beyond.

<p>I want to learn</p> <p>How to harness the power of AI</p>	<p>I want to learn</p> <p>How to create safe digital spaces</p>	<p>I want to learn</p> <p>How to mine data for insights</p>
<p>Study</p> <p>Artificial intelligence</p> <p>With a degree</p> <p>Bachelor of Computer Science (Professional)* with a major in artificial intelligence</p> <p>Bachelor of Computer Science with a major in artificial intelligence</p> <p><i>Pathway to a degree:</i> Diploma of Information Technology (UniLink)</p>	<p>Study</p> <p>Cyber security</p> <p>With a degree</p> <p>Bachelor of Computer Science (Professional)* with a major in cyber security</p> <p>Bachelor of Computer Science with a major in cyber security</p> <p>Bachelor of Information and Communication Technology with a major in network technology</p> <p>Bachelor of Cyber Security</p> <p><i>Pathway to a degree:</i> Diploma of Information Technology (UniLink)</p>	<p>Study</p> <p>Data science</p> <p>With a degree</p> <p>Bachelor of Computer Science (Professional)* with a major in data science</p> <p>Bachelor of Computer Science with a major in data science</p> <p>Bachelor of Data Science</p> <p><i>Pathway to a degree:</i> Diploma of Information Technology (UniLink)</p>
<p>To learn about</p> 	<p>To learn about</p> 	<p>To learn about</p> 
<p>To become</p> <ul style="list-style-type: none"> Machine learning engineer Computer vision engineer Data scientist 	<p>To become</p> <ul style="list-style-type: none"> Security consultant Information security analyst Network or systems administrator Cybersecurity penetration tester 	<p>To become</p> <ul style="list-style-type: none"> Data scientist Data analyst Business intelligence developer Data infrastructure architect
<p>Postgraduate studies</p> <ul style="list-style-type: none"> Master of Cyber Security Master of Data Science Master of Information Technology 	<p>Postgraduate studies</p> <ul style="list-style-type: none"> Master of Cyber Security 	<p>Postgraduate studies</p> <ul style="list-style-type: none"> Master of Cyber Security Master of Data Science Master of Information Technology

Please note, more pathway options may be available than those outlined in this guide. Please speak to your Swinburne representative for details.
 *Professional degrees are via direct entry only and pathway options are not currently offered.



<p>I want to learn</p> <p>How to create game strategy and characters</p>	<p>I want to learn</p> <p>How to code for computer games</p>	<p>I want to learn</p> <p>How to make everyday objects smarter and more connected</p>
<p>Study</p> <p>Games and interactivity</p> <p>With a degree</p> <p>Bachelor of Computer Science [Professional]* with a major in games development</p> <p>Bachelor of Computer Science with a major in games development</p> <p>Bachelor of Games and Interactivity</p> <p><i>Pathway to a degree:</i> Diploma of Information Technology (UniLink)</p>	<p>Study</p> <p>Games development</p> <p>With a degree</p> <p>Bachelor of Computer Science [Professional]* with a major in games development</p> <p>Bachelor of Computer Science with a major in games development</p> <p><i>Pathway to a degree:</i> Diploma of Information Technology (UniLink)</p>	<p>Study</p> <p>Internet of Things</p> <p>With a degree</p> <p>Bachelor of Computer Science [Professional]* with a major in the internet of things</p> <p>Bachelor of Computer Science with a major in the internet of things</p> <p>Bachelor of Information and Communication Technology with a major in software technology</p> <p>Bachelor of Information and Communication Technology [Professional]*</p> <p><i>Pathway to a degree:</i> Diploma of Information Technology (UniLink)</p>
<p>To learn about</p>	<p>To learn about</p>	<p>To learn about</p>
<p>To become</p> <ul style="list-style-type: none"> Digital content producer Games designer or programmer Multimedia developer Software designer or developer 	<p>To become</p> <ul style="list-style-type: none"> Digital content producer Games designer or programmer Multimedia developer Software designer or developer 	<p>To become</p> <ul style="list-style-type: none"> Mobile application developer Full stack software developer Solution architect Software designer Systems analyst or designer
<p>Postgraduate studies</p> <ul style="list-style-type: none"> Master of Media and Communication 	<p>Postgraduate studies</p> <ul style="list-style-type: none"> Master of Cyber Security Master of Data Science Master of Information Technology 	<p>Postgraduate studies</p> <ul style="list-style-type: none"> Master of Cyber Security Master of Data Science Master of Information Technology

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I want to learn

How to create software
to improve our lives

Study

Software development

With a degree

Bachelor of Computer Science (Professional)*
with a major in software development

Bachelor of Computer Science
with a major in software development

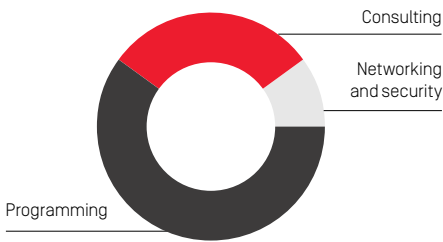
**Bachelor of Information and
Communication Technology**
with a major in software technology

**Bachelor of Information and Communication
Technology (Professional)***

Pathway to a degree:

Diploma of Information Technology (UniLink)

To learn about



To become

- Application designer
- Project manager
- Software designer
- Systems analyst or designer
- Web developer

Postgraduate studies

- Master of Cyber Security
- Master of Data Science
- Master of Information Technology



TOP 75
GLOBALLY

for computer science and software engineering

2024 ARWU Global Ranking of Academic Subjects

82%
STUDENT SATISFACTION

82% of international undergraduate students were satisfied with the teaching quality and engagement

International undergraduate student experience survey 2023

AN INDUSTRY PROJECT EVERY SEMESTER

Gain industry contacts and learn in-demand skills through real-world projects in all IT degrees

\$1.1M Cisco Networking Academy

Six state-of-the-art labs and 700 Cisco devices



Your next gen education at Swinburne

Real industry experience, guaranteed

Every Swinburne bachelor degree student is guaranteed a real industry experience before they graduate. That could be an internship, industry-linked project or full-time placement. It's all part of our Work Integrated Learning (WIL) program – designed to give you the skills, confidence and connections to step straight into industry. Visit swinburne.edu.au/workintegratedlearning

Professional degrees

More than a standard bachelor degree, a Professional Degree is a premium university experience that includes a 12-month full-time work placement. Swinburne offers direct entry to two Professional Degrees for international students: the Bachelor of Computer Science (Professional) and the Bachelor of Information and Communication Technology (Professional). For more information, visit swinburne.edu.au/life-at-swinburne/work-integrated-learning/professional-degree

Industry accredited

The Bachelor of Computer Science and Bachelor of Information and Communication Technology degrees are accredited at a professional level by the Australian Computer Society (ACS), while the Bachelor of Games and Interactivity is accredited by the International Game Developer Association (IGDA).

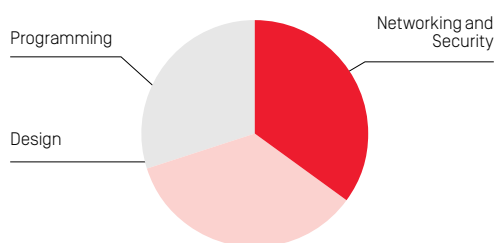


Pathways to a degree

Not sure if jumping straight into a degree is for you? Find a study pathway that suits your circumstances and lifestyle.

UniLink diplomas are equivalent to eight units of study (typically one year of full-time study) and provide an alternative pathway to a wide range of bachelor degrees. They are designed for students who miss direct entry to a degree or who would benefit from a more supportive learning environment, with smaller class sizes and more one-on-one time with teachers. Most UniLink courses can lead to the second year of a related bachelor degree. For more information, visit swinburne.edu.au/nextstep

Diploma of Information Technology (Unilink)



Scholarships

At Swinburne, we are committed to supporting talented international students on their educational journey. Our International Scholarship program rewards academic performance and helps reduce financial barriers to quality education, with scholarships offering up to 30% tuition fee reduction. When you apply for a course with us, your eligibility for our international scholarships is automatically assessed alongside your course application—no extra application is needed. Visit swinburne.edu.au/study/international/scholarships/

Entry requirements

Entry to Swinburne courses mentioned here require successful completion of Australian Year 12 or overseas equivalent. Additional English language and relevant academic requirements also apply. Visit swinburne.edu.au/study/international/apply/entry-requirements for details.

Further information

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📞 +61 3 9214 8444 [worldwide]
✉ international@swinburne.edu.au
🌐 swinburne.edu.au/international

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📷 instagram.com/swinburne
📺 youtube.com/swinburne

The information contained in this study guide was correct at the time of publication, September 2025. The university reserves the right to alter or amend the material contained in this guide. For the most up-to-date course information please visit our website swinburne.edu.au
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Discover
Hawthorn campus

