SWIN
BUR
NE

SWINBURNE
UNIVERSITY OF
TECHNOLOGY

I want to learn how to manage information in a business

STUDY

BUSINESS INFORMATION SYSTEMS

WITH A DEGREE

Bachelor of Information Technology

Bachelor of Business Information Systems
with a major in Business Analysis
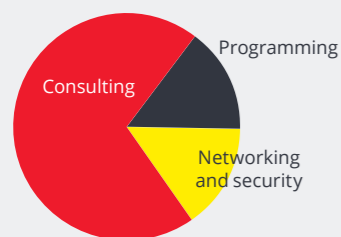with a major in Data Analytics
with a major in Data Managemen*t*

Bachelor of Information and Communication Technology
with a major in Business Systems
with a major in Systems Analysis

Pathway to a degree:
Diploma of Information Technology (UniLink)

TO LEARN ABOUT

- Programming
- Consulting
- Networking and security

TO BECOME A

- Business analyst
- Business development manager
- Information architect
- Project manager

THE SWINBURNE
ADVANTAGE

At Swinburne, getting you job-ready is at the core of what we do. Our Work Integrated Learning options prepare you for the day-to-day requirements of work, helping you become a more competitive graduate. You'll build invaluable skills, career networks and, most importantly, the confidence of knowing you have what it takes to land a job in your field. This is the Swinburne Advantage.

Visit **swinburne.edu.au/workintegratedlearning**

Professional degrees

Professional degrees are available to students who have completed an Australian Year 12 program. These courses extend the standard degrees to include a professional placement co-major comprising a 12-month work placement. The professional placement co-major is credit-bearing and will strengthen your employability. You'll benefit from Swinburne's unique industry partnerships and be paid during your placement. Look for degrees with (Professional) in the title.

Double degrees

Double degrees are a great way to broaden your study experience and are highly respected by employers. They combine two areas of study and on completion you'll be awarded two degrees. A double degree is generally only one year longer than a single degree.

Consider combining your IT degree with a degree in another study area by studying:

- Bachelor of Business Information Systems/Bachelor of Business
- Bachelor of Engineering (Honours)/Bachelor of Computer Science
- Bachelor of Games and Interactivity/Bachelor of Animation
- Bachelor of Games and Interactivity/Bachelor of Computer Science
- Bachelor of Laws/Bachelor of Business Information Systems
- Bachelor of Laws/Bachelor of Computer Science

Pathways to a degree

UNILINK DIPLOMAS

UniLink diplomas are equivalent to eight units of study (typically one year of full-time study) and can provide a pathway to the second year of a related bachelor degree.

These courses are an option for students who miss direct entry to a degree or who would benefit from a more supportive style of learning.

VOCATIONAL EDUCATION

Diplomas and certificates are vocational qualifications that provide practical teaching and skills for work. A vocational qualification could prepare you for your first job, help you retain or take the first step in a career change.

Successful completion of a vocational qualification may also allow you to progress to another qualification with advanced standing.

Scholarships

The Vice-Chancellor's Excellence Scholarship is awarded to students in recognition of academic excellence. Recipients will receive $5000 per annum for the normal duration of their chosen degree, plus a one-off payment of $2000 towards an international study experience. They will also have the opportunity to join our High Achievers Program.

To learn more about the program visit **swinburne.edu.au/highachievers**

Swinburne also offers scholarships to students from indigenous backgrounds, students suffering from financial hardship and students who have relocated from regional areas to study.

For a full list of scholarships, including value and eligibility criteria, visit **swinburne.edu.au/scholarships**

INFORMATION TECHNOLOGY
STUDY GUIDE

Course options and career opportunities

swinburne.edu.au/IT

GET IT? GOT IT? GOOD!

A degree in IT can take you anywhere.

Look around you. You're surrounded by technology (in a good way, of course). At Swinburne, our IT courses program you with the kind of future-savvy skills that can lead to a career in health, transport, finance, media, manufacturing, energy and so much more.

I want to learn how to help people communicate online safely and securely

I want to learn how to solve problems by analysing data from internet-connected devices

I want to learn how to create software to improve our lives

I want to learn how to build hardware and program software to solve problems

I want to learn how to code for computer games

I want to learn how to create game strategy and characters

STUDY
NETWORK DESIGN AND CYBERSECURITY

WITH A DEGREE

Bachelor of Computer Science (Professional)
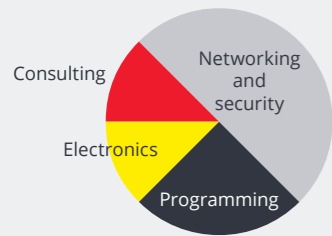with a major in Cybersecurity
with a major in Network Design

Bachelor of Computer Science
with a major in Cybersecurity
with a major in Network Design

Bachelor of Information and Communication Technology
with a major in Network Technology
with a major in Systems Management

Pathway to a degree:
Diploma of Information Technology (UniLink)

TO LEARN ABOUT

Networking and security, Consulting, Electronics, Programming

TO BECOME A

- Security consultant
- Information security analyst
- Network or systems administrator
- Cybersecurity penetration tester

OR A DIPLOMA OR CERTIFICATE

Diploma of Information Technology Networking

Certificate IV in Information Technology Networking

Certificate IV in Cyber Security

TO BECOME

- IT administrator or coordinator
- Network operations analyst
- Network security administrator
- Network or user support technician
- Network programmer

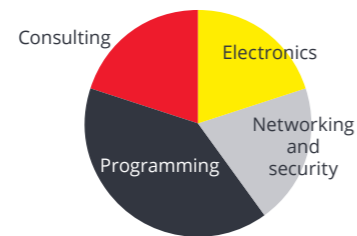
STUDY
THE INTERNET OF THINGS

WITH A DEGREE

Bachelor of Computer Science (Professional)
with a major in the Internet of Things

Bachelor of Computer Science
with a major in the Internet of Things

Pathway to a degree:
Diploma of Information Technology (UniLink)

TO LEARN ABOUT

Consulting, Electronics, Networking and security, Programming

TO BECOME A

- Mobile application developer
- Full stack software developer
- Solution architect
- Consultant
- Data scientist

STUDY
SOFTWARE DEVELOPMENT

WITH A DEGREE

Bachelor of Computer Science (Professional)
with a major in Data Science
with a major in Software Design
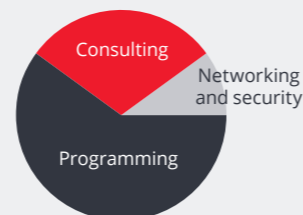with a major in Software Development

Bachelor of Computer Science
with a major in Data Science
with a major in Software Design
with a major in Software Development

Bachelor of Information and Communication Technology
with a major in Software Technology

Pathway to a degree:
Diploma of Information Technology (UniLink)

TO LEARN ABOUT

Consulting, Networking and security, Programming

TO BECOME A

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

OR A DIPLOMA OR CERTIFICATE

Diploma of Software Development

Diploma of Information Technology – Web Design and Development

Certificate IV in Information Technology – Programming

TO BECOME

- IT administrator or coordinator
- Software developer
- Web developer

STUDY
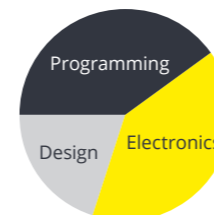## SOFTWARE ENGINEERING

WITH A DEGREE

Bachelor of Engineering (Honours) (Professional)
with a major in Software

Bachelor of Engineering (Honours)
with a major in Software

Pathway to a degree:
Diploma of Engineering (UniLink)

TO LEARN ABOUT

Programming, Electronics, Design

TO BECOME A

- Embedded systems and mobile application engineer
- Quality assurance engineer
- Software architect or engineer
- Software designer or developer
- Systems engineer

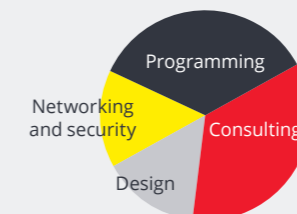
STUDY
GAMES DEVELOPMENT

WITH A DEGREE

Bachelor of Computer Science (Professional)
with a major in Games Development

Bachelor of Computer Science
with a major in Games Development

Pathway to a degree:
Diploma of Information Technology (UniLink)

TO LEARN ABOUT

Programming, Consulting, Networking and security, Design

TO BECOME A

- Digital content producer
- Games designer or programmer
- Multimedia developer
- Software designer or developer

OR A DIPLOMA OR CERTIFICATE

Diploma of Digital and Interactive Games

Certificate IV in Digital and Interactive Games

TO BECOME

- Concept artist
- 2D & 3D games artist
- 3D animator
- Games developer

STUDY
GAMES AND INTERACTIVITY

WITH A DEGREE

Bachelor of Arts (Professional)
with a major in Games and Interactivity

Bachelor of Media and Communication (Professional)
with a major in Games and Interactivity

Bachelor of Arts
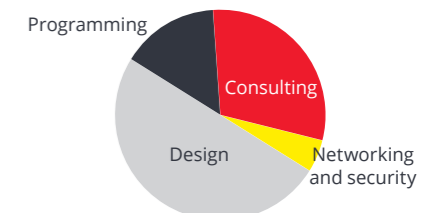with a major in Games and Interactivity

Bachelor of Games and Interactivity

Bachelor of Media and Communication
with a major in Games and Interactivity

Pathway to a degree:
Diploma of Information Technology (UniLink)

TO LEARN ABOUT

Programming, Consulting, Networking and security, Design

TO BECOME A

- Digital content producer
- Games designer or programmer
- Multimedia developer
- Online community manager

OR A DIPLOMA OR CERTIFICATE

Diploma of Digital and Interactive Games

Certificate IV in Digital and Interactive Games

TO BECOME

- Animator
- Games designer
- Games programmer