Information Technology / Mobile Apps / Games Design / Networking / Cybersecurity / Software Engineering / Data Science / Industrial and Applied Mathematics / Science / Environmental Science / Information Management
A new reality awaits

Your unstoppable career starts here.

The Internet of Things is booming, with 1.5 billion devices and smart objects with cellular connections expected by 2022.

1.5B

Internet of Things forecast, Ericsson Mobility Report Q2 2018
An estimated 67,000 new jobs will be created in the ICT sector by 2023, an increase of 13.4% since 2018.


Science, technology, engineering and mathematics (STEM) knowledge is associated with 75% of the fastest growing occupations, innovations and wage premiums.

Explore the infinite possibilities of information technology, mathematics and science, and their range of applications across different disciplines and industries. Build practical and theoretical knowledge across diverse fields such as data science, networking and cybersecurity, mixed reality, software development, industrial mathematics, defence, artificial intelligence, games, science, environmental science, sustainability and more. Shape the answers to the questions of tomorrow by partnering with industry on real-world projects and create a better world through new discoveries. Take advantage of cutting-edge facilities fitted with the latest technologies and software.

unisa.edu.au/study

#1 IN AUSTRALIA FOR OVERALL STUDENT EXPERIENCE IN INFORMATION TECHNOLOGY
2020 Good Universities Guide – Computing and Information Systems

No.1 IN SA FOR GRADUATE CAREERS AND TEACHING QUALITY IN SCIENCE AND MATHEMATICS
ComparED (QILT): Graduate Outcomes Survey 2017-19 – Full-time Employment Indicator and Course Experience Questionnaire 2018-19 – Teaching Quality Indicator (Undergraduate)

TOP 10 IN AUSTRALIA FOR GRADUATE SKILLS IN INFORMATION TECHNOLOGY
ComparED (QILT): Course Experience Questionnaire 2018-19 – Generic Skills Indicator (Undergraduate) – Computing and Information Systems. Public SA-founded universities only
BE IN HIGH DEMAND

Information technology is a part of everyday life, and its continuous evolution means that people with IT skills are in constant demand. Technology is the driving force behind activities like internet banking, online shopping, networking, cybersecurity, mobile gaming and more. If you have an interest in digital technology and enjoy solving problems, you’re the perfect fit for a career in IT.

Maths is everywhere. Algorithms are powering things like industrial data analytics used by large corporations such as Amazon and are used to encode the images you see on platforms like Instagram. Explore this fascinating world by taking part in our one-year Maths Clinic during your maths degree, where you will apply specialist knowledge to an industry problem, creating real impact.

BIG DATA, NEW REALITIES

The modern world is built on data. Our digital transactions and online interactions generate a digital footprint that provides insight into our online behaviours, preferences and trends. As more data is generated through mobile, web and connected devices, more experts are needed to interpret the information. When you study an IT, maths or data science degree, you will learn to analyse, visualise and interpret big data and apply your findings to a range of industries.

You can also explore augmented reality through your IT degree at UniSA. This emerging technology is growing in popularity, particularly in gaming and entertainment – from using your phone to hunt cartoon characters to adding a filter to your selfie. Work on real-world projects and access the Wearable Computer Lab, one of the largest augmented reality research and development facilities in the Southern Hemisphere.

REAL-WORLD EXPERIENCE

Take part in industry-based, work-integrated learning that will prepare you for your future career in IT or maths. Enjoy access to our new $2 million Industry 4.0 Testlab facility on campus, which supports the rapidly growing defence and space industries. From individual projects, to working with local and international companies to solve real-world challenges, you will collaborate with gaming companies, defence contractors, software developers and government agencies. You can also participate in overseas placements in countries like Sweden or China, or go on a study tour to Japan or Vietnam.

A searing VR experience

South Australian residents in fire-prone areas are receiving major assistance with their emergency planning, thanks to a virtual reality (VR) initiative developed at UniSA.

Partnering with the Country Fire Service (CFS), UniSA PhD student Safa Molan developed a computer-generated bushfire scenario that replicated typical fire conditions in the Adelaide Hills.

By using the VR headset, residents can safely experience the pressures of implementing their bushfire emergency plans, and understand the impacts of choosing to evacuate or stay put. They can also use the VR experience to create or update their bushfire survival plan.

Feedback from participants will give the CFS a better understanding of how different people react in a fire situation, and lead to better communication and safety outcomes for those living in fire-prone areas.
LEARN WITH SMART TECHNOLOGY

Study environmental science and access specialised tools to help unlock nature’s secrets with Project LiVE, an immersive virtual learning environment located on campus. This unique space features cutting-edge 360° video, interactive 3D models and virtual reality simulations. From drone imagery of erosion patterns along the SA coastline to satellite monitoring of ice sheet stability in Antarctica, Project LiVE provides a hands-on experience of digital imaging, mapping and spatial analysis.

HARNESSING THE POWER OF SUNSHINE

See the possibilities of science come to life by studying at UniSA. Our world-class research is breaking new ground and you can be a part of new innovations and discoveries. South Australia is a global leader in renewable technology and UniSA is at the forefront when it comes to developing new methods of energy production. Mawson Lakes Campus is home to our science degrees and is also the perfect backdrop to showcase our commitment to a greener future. The campus boasts its own solar power research field and has over 5,300 solar panels, generating approximately 2,500 megawatt-hours of electricity and reducing around 1,275 tonnes of carbon dioxide emissions every year.

INDUSTRY PARTNERSHIPS

Study the Bachelor of Information Technology at UniSA and benefit from our industry partnerships by putting your learning into practice with DXC Technology. Apply for a 6-month paid internship with the global technology company and align your career aspirations with opportunities in the workplace. Work alongside industry experts and be guided by a mentor who will support you as you gain real-world experience while working on complex large-scale projects. Receive full academic credit while combining world-class learning with global enterprise.

BECOME A TEACHER

The renewed focus on STEM within the Australian curriculum means there has never been a better time to become a maths or science teacher. Package your maths or science degree with a Master of Teaching (Secondary) and get the qualifications you need to teach up to Year 12 in just five years of study.
Learn a language

Develop the skills you need to work internationally and increase your career opportunities by studying a second language. Learn French, Italian, Japanese or English (for speakers of English as a second language) through a Diploma in Languages. Access the Multimedia Languages Lab at Magill Campus and connect with native speakers from around the world in real-time. Graduate with an additional qualification by studying the diploma alongside your undergraduate degree.

unisa.edu.au/languages

Experience student life

Enjoy life beyond the classroom by getting involved in campus culture. Connect with new people at Orientation, keep active with UniSA Sport and on-campus fitness centres, or find your tribe with more than 100 student clubs to choose from. Discover our wide range of events throughout the year and connect with our student association, USASA.

unisa.edu.au/studentexperience

Get career ready

Prepare for your future career from first year with support from our Career Services team. Access our online Career Hub for self-help resources, including tips on resume writing and an interview simulator. There are also professional and exclusive job listings. Connect with a career adviser for help with career mapping, attend industry events to build your professional networks, and walk into one of our drop-in centres on campus for general careers advice.

unisa.edu.au/careers

“It’s a real positive that all students undertake field work and learn in a hands-on way. They learn by doing and are exposed to the natural environment in a range of different contexts. Students get to see science in action in the real world, visiting sites both locally and internationally.”

Associate Professor Tom Raimondo | Program Director: Environmental Science
Award Recipient: 2019 South Australian Science Excellence Awards for STEM Educator of the Year – Tertiary Teaching

ONE OF THE BEST YOUNG UNIVERSITIES IN AUSTRALIA FOR TEACHING QUALITY

Ranked #2, 2019 THE Young University Rankings.
GET CONNECTED
with Australia’s University of Enterprise

PRACTICAL LEARNING
UniSA offers more than 200 world-class degrees across a wide range of discipline areas. You will learn in a highly practical environment. Take the opportunity to complete an internship or placement during your studies, learning from experts in a real-world setting. Build your networks and graduate career-ready with the skills required of tomorrow’s professionals.

TOP RANKING TEACHERS
Make your study experience relevant, and learn from highly qualified academics and industry professionals. In fact, UniSA is one of Australia’s best young universities for teaching quality (*Ranked #2, 2019 THE Young University Rankings*).

WORLD-CLASS FACILITIES
Study in modern, purpose-built facilities across all six UniSA campuses. Learn with the latest industry-standard tools and technologies that will take you from the classroom into the workplace. This includes state-of-the-art laboratories, collaborative learning areas, creative studios, workshops and simulation spaces.

POWERFUL PARTNERSHIPS
We collaborate with more than 2,500 companies worldwide to bring our students placement, project, research and work opportunities. Connect with industry professionals during your studies and benefit from curriculum informed by the latest industry practices.

REAL RESEARCH
Our research is innovative and inspired by challenges. We produce new knowledge that provides solutions to industry, businesses and the wider community. Explore cutting-edge insights in your chosen degree, influenced by our world-class research outcomes.

“Successful careers are built on having the right attitude, the right skills, and the drive to always learn and improve. Degrees that have been developed in consultation with industry are a fantastic way to fast-track anyone to a great career and attending a university that has strong industry connections can help you develop the real-world skills that organisations are looking for.”

*Stuart Swan | Practice Manager, DXC Technology*
GET CONNECTED with Australia's University of Enterprise

COLLABORATING WITH OVER 2,500 COMPANIES WORLDWIDE

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No.1 IN SA FOR EMPLOYER SATISFACTION
2019 QILT Employer Satisfaction Survey – Overall Satisfaction Indicator.
Jump on the tram

Take advantage of the new city tram service operating along North Terrace for a convenient ride between City East and City West campuses or stop at other destinations along the way. Visit the Adelaide Metro website for more information.

Find out more at adelaidemetro.com.au

Public transport

You will find bus stops near each campus and train stations close to the city and Mawson Lakes campuses. Check your bus, train or tram options on the Adelaide Metro website. You can also get student discounts on tickets once you have enrolled.

Find out more at adelaidemetro.com.au
UNDERGRADUATE DEGREES

Your tertiary learning and career starts with undergraduate study.

To explore our 200+ degrees, visit unisa.edu.au/study

To learn more about how to apply, visit unisa.edu.au/apply

Note: Published Selection Rank scores are indicative of February 2020 cut-offs.

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“During high school, I was exposed to basic website development, programming, and design, which led me to pursue a career in IT. My degree has given me experience in cybersecurity, networking, management, and expanded my programming knowledge. I already work in a part-time job as a junior developer, creating interfaces and applying the skills I’ve learnt during my studies.”

Monique Baker
Information Technology student

ATAR > DEGREE FINDER
Go online and check out our new ATAR > Degree Finder, to explore which degrees you may be eligible for using your Selection Rank.
unisa.edu.au/atar-degree-finder
Bachelor of Information Technology

unisa.edu.au/IT

Mawson Lakes Campus
On-campus/Online
3 years full-time

Intakes: Feb, Jul
Internship

Selection Rank:
cut-off 2020 ................. 60.70
guaranteed entry ............. 70.00

VET:
guaranteed entry ............. Dip

SATAC code ................. 434041
Program code ................. LBCP

GUARANTEED ENTRY:

VET: ............................ Dip

Program code ................. LBCP

SAIT pathways: Diploma of Technology

Prerequisites: none
Assumed knowledge: none

• Choose two IT minors from areas like 3D Animation, Games, Multimedia, Software Development and Visual Effects.
• Or, choose one IT minor and one cross-disciplinary minor from areas like Innovation and Entrepreneurship, International Business or Marketing.

Build a dynamic career as an IT professional. Study core courses that will give you a solid foundation in IT, networking, database and programming fundamentals, and systems analysis. Tailor your studies by choosing from a wide range of minors. You can select two IT minors from areas such as 3D Animation, Business Systems, Data Analytics, Games, Mobile Applications, Multimedia, Networking, Security, Software Development and Visual Effects. You also have the choice of selecting one minor from a different discipline, such as Accounting, Digital Media, Innovation and Entrepreneurship, International Business, Marketing or Management. Learn with the latest industry-standard technologies and tools in the IT Development Studio and IT Innovation Studio located on campus. Gain valuable practical experience and collaborate with a real client on a final-year ICT project. You will also have the opportunity to put your learning into practice with UniSA’s unique collaboration with DXC Technology, one of the largest technology companies in the world. Second-year students will be able to apply for a six-month paid internship with DXC, connecting directly with industry. Graduate with a degree accredited by the Australian Computer Society. Transfer into a different IT specialisation and receive study credit for completed courses.

YOU MIGHT ALSO LIKE

• Bachelor of Information Technology — various specialisations
• Bachelor of Business (Information Strategy and Management)
• Bachelor of Design (Illustration and Animation) (Game Art)
• Bachelor of Software Engineering (Honours)

FURTHER STUDY

• Bachelor of Information Technology (Honours) — one year
• Master of Information Technology (Enterprise Management)
• Master of Cybersecurity
• Master of Data Science

DEGREE STRUCTURE

FIRST YEAR
Information Technology Fundamentals
Problem Solving and Programming
Network Fundamentals
Design Thinking Studio
Object Oriented Programming
Data Driven Web Technologies
System Requirements and User Experience
System Requirements Studio

SECOND YEAR
Software Design and Implementation
System Design Studio
Minor Course
Minor Course
Agile Development and Governance
Project Studio
Minor Course
Minor Course

THIRD YEAR
Security Principles
Big Data Basics
Minor Course
Minor Course
Elective
Minor Course
Minor Course
ICT Capstone Project

Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.

Looking for alternative entry?
Preference a packaged Diploma in Information Technology/Bachelor of Information Technology.
For more information, visit unisa.edu.au/college
SATAC code: 426061

CAREERS
Software developer / networking analyst / web developer / IT consultant / database developer / IT manager / systems analyst / computer programmer / user interface developer

Note: UniSA’s IT degrees (Program code: LBCP) share common first-year courses, so students have the option to transfer into a different specialisation and receive study credit for successfully completed courses.
“When I was younger, I discovered gaming and fell in love with the creative fantasy worlds each game provided. I always thought that it would be a dream career to be able to create games just like the ones I play. With all of the experience I gained at UniSA, this has now become a reality, and I am working as a digital artist for a virtual reality studio.”

Billy Bizilis
games and entertainment design graduate
### Bachelor of Information Technology (Games and Entertainment Design)

**unisa.edu.au/IT**

- **Mawson Lakes Campus**
- **On-campus/Online**
- **3 years full-time**

**Intakes:** Feb, Jul

**Real-world projects**

**Selection Rank:**
- cut-off 2020: 66.90
- guaranteed entry: 70.00

**SATAC code:** 434881

**Program code:** LBCP

**VET:**
- guaranteed entry: Dip
- honours available

**UniSA College pathways:** Foundation Studies or Diploma in Information Technology (SAIBT pathways: Diploma of Technology)

**Assumed knowledge:**

Learn to develop new and exciting applications for different industries and markets. Apply technical skills and creativity to game-type productions, software and interfaces. Study core courses that will give you a solid foundation in IT, networking, database and programming fundamentals, and systems analysis. You will then complete highly specialised courses focusing on computer graphics programming, multimedia design and information visualisation. Explore interface design, interaction and experience; tools for software development; game asset creation; computer game design concepts; mobile game development; and artificial intelligence. Learn with the latest industry-standard technologies and tools in the IT Development Studio and IT Innovation Studio located on campus. Gain valuable practical experience and collaborate with a real client on a final-year ICT project. Graduate with a degree accredited by the Australian Computer Society. Transfer into a different IT specialisation and receive study credit for completed courses.

**Note:** UniSA's IT degrees (Program code: LBCP) share common first-year courses, so students have the option to transfer into a different specialisation and receive study credit for successfully completed courses.

**CAREERS**

Game designer / Android and iOS developer / mobile games developer / video game designer / video game system designer / game programmer / web developer / multimedia specialist

**YOU MIGHT ALSO LIKE**

- Bachelor of Creative Industries
- Bachelor of Design (Illustration and Animation) (Game Art)
- Bachelor of Information Technology (Software Development)

**FURTHER STUDY**

- Bachelor of Information Technology (Honours) — one year
- Master of Information Technology (Enterprise Management)

**DEGREE STRUCTURE**

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<td>Project Studio</td>
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<td>Android Games Development</td>
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Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.

### Bachelor of Information Technology (Mobile Application Development)

**unisa.edu.au/IT**

- **Mawson Lakes Campus**
- **On-campus/Online**
- **3 years full-time**

**Intakes:** Feb, Jul

**Real-world projects**

**Selection Rank:**
- cut-off 2020: 76.45
- guaranteed entry: 70.00

**SATAC code:** 436091

**Program code:** LBCP

**VET:**
- guaranteed entry: Dip
- honours available

**UniSA College pathways:** Foundation Studies or Diploma in Information Technology (SAIBT pathways: Diploma of Technology)

**Assumed knowledge:**

Build a dynamic career as a mobile app developer. Gain the technical knowledge and specialist software skills needed to design your own apps for various platforms. Influence how people interact with social networks, entertainment, e-commerce, and information sourcing and sharing. Study core courses that will give you a solid foundation in IT, networking, database and programming fundamentals, and systems analysis. You will then complete highly specialised courses that will teach you how to develop apps in languages such as C++ and .NET, which will get you career-ready. Learn from industry experts and develop the techniques to successfully pitch your app ideas to investors or start your own company. Train with the latest industry-standard technologies and tools in the IT Development Studio and IT Innovation Studio located on campus. Gain valuable practical experience and collaborate with a real client on a final-year ICT project. Graduate with a degree accredited by the Australian Computer Society. Transfer into a different IT specialisation and receive study credit for completed courses.

**Note:** UniSA's IT degrees (Program code: LBCP) share common first-year courses, so students have the option to transfer into a different specialisation and receive study credit for successfully completed courses.

**CAREERS**

Mobile app developer / Android and iOS app developer / application developer / software applications programmer / web developer / entrepreneur

**YOU MIGHT ALSO LIKE**

- Bachelor of Information Technology (Games and Entertainment Design)
- Bachelor of Information Technology (Networking and Cybersecurity)
- Bachelor of Information Technology (Software Development)

**FURTHER STUDY**

- Bachelor of Information Technology (Honours) — one year
- Master of Information Technology (Enterprise Management)
- Master of Cybersecurity
- Master of Data Science

**DEGREE STRUCTURE**

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<td>System Requirements and User Experience</td>
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<td>Small Business for Professionals</td>
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<td>Android Games Development</td>
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<td>Agile Development and Governance</td>
<td>Project Studio</td>
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<tr>
<td>Project Studio</td>
<td>Web Technology</td>
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<tr>
<td>Android Games Development</td>
<td>IOS Enterprise Development</td>
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Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.
Bachelor of Information Technology (Networking and Cybersecurity)

unisa.edu.au/IT

Mawson Lakes Campus
On-campus/Online
3 years full-time

Intakes: Feb, Jul

Real-world projects

Selection Rank:
cut-off 2020: 60.00
guaranteed entry: 70.00

VET:
guaranteed entry: Dip

SATAC code: 434891
Program code: LBCP

YOU MIGHT ALSO LIKE
cybersecurity consultant / cybersecurity governance manager / policy advisor

Note: UniSA’s IT degrees (Program code: LBCP) share common first-year courses, so students have the option to transfer into a different specialisation and receive study credit for successfully completed courses.

DEGREE STRUCTURE

FIRST YEAR
Information Technology Fundamentals
Problem Solving and Programming
Network Fundamentals
Design Thinking Studio
Object Oriented Programming
Data Driven Web Technologies
System Requirements and User Experience
System Requirements Studio
Software Design and Implementation
System Design Studio
Network Architecture
Security Principles

SECOND YEAR
Agile Development and Governance
Project Studio
Business Resilience
CCNP Enterprise Core

THIRD YEAR
Network Security
Systems Administration
CCNP Enterprise Services
Cloud, Virtualisation and Storage
Elective
Big Data Basics
Digital Forensics Essentials
ICT Capstone Project

Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.

Bachelor of Information Technology (Software Development)

unisa.edu.au/IT

Mawson Lakes Campus
On-campus/Online
3 years full-time

Intakes: Feb, Jul

Real-world projects

Selection Rank:
cut-off 2020: 66.65
guaranteed entry: 70.00

VET:
guaranteed entry: Dip

SATAC code: 434871
Program code: LBCP

YOU MIGHT ALSO LIKE
programmer / front-end developer / systems analyst

Note: UniSA’s IT degrees (Program code: LBCP) share common first-year courses, so students have the option to transfer into a different specialisation and receive study credit for successfully completed courses.

DEGREE STRUCTURE

FIRST YEAR
Information Technology Fundamentals
Problem Solving and Programming
Network Fundamentals
Design Thinking Studio
Object Oriented Programming
Data Driven Web Technologies
System Requirements and User Experience
System Requirements Studio
Software Design and Implementation
System Design Studio
Network Architecture
Security Principles

SECOND YEAR
Information Technology Fundamentals
Problem Solving and Programming
Network Fundamentals
Design Thinking Studio
Object Oriented Programming
Data Driven Web Technologies
System Requirements and User Experience
System Requirements Studio
Software Design and Implementation
System Design Studio
Operating Systems and Tool Chains
Data Structures Essentials
Agile Development and Governance
Project Studio
Web Technology
IOS Enterprise Development

THIRD YEAR
Security Principles
Big Data Basics
Design Patterns with C++
Database for the Enterprise
Elective
Cloud and Concurrent Programming
AI and Machine Learning
ICT Capstone Project

Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.

CAREERS
Software developer / web developer / iOS developer / app developer / programmer / front-end developer / systems analyst

YOU MIGHT ALSO LIKE
• Bachelor of Information Technology
• Bachelor of Information Technology (Games and Entertainment Design)
• Bachelor of Software Engineering (Honours)

FURTHER STUDY
• Bachelor of Information Technology (Honours) — one year
• Master of Information Technology (Enterprise Management)
• Master of Cybersecurity
• Master of Data Science

Assumed knowledge: none

Prerequisites: none

Note: UniSA’s IT degrees (Program code: LBCP) share common first-year courses, so students have the option to transfer into a different specialisation and receive study credit for successfully completed courses.

Platform: Foundation Studies or Diploma in Information Technology

SATAC pathways: Diploma of Technology

Assumed knowledge: none

Prerequisites: none

DEGREE STRUCTURE

FIRST YEAR
Information Technology Fundamentals
Problem Solving and Programming
Network Fundamentals
Design Thinking Studio
Object Oriented Programming
Data Driven Web Technologies
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System Requirements Studio
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System Design Studio
Network Architecture
Security Principles

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Security Principles
Big Data Basics
Design Patterns with C++
Database for the Enterprise
Elective
Cloud and Concurrent Programming
AI and Machine Learning
ICT Capstone Project

Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.
Bachelor of Software Engineering (Honours)

unisa.edu.au/IT

Mawson Lakes Campus

Intakes: Feb, Jul

Real-world projects

4 years full-time

Selection Rank:
cut-off 2020 .................... 70.95
guaranteed entry ............... 80.00

SATAC code ..................... 434211
Program code ................... LHSG

VET:
guaranteed entry ............... Dip in IT

UniSA College pathways: Foundation Studies or Diploma in Information Technology (UniSA College)

Prerequisites: none
Assumed knowledge: none

Develop a broad understanding of computing and IT theory, combined with specialist knowledge to become a software engineer. Go beyond traditional programming and learn to develop modern and sophisticated software systems. Focus on key areas such as artificial intelligence, cloud programming and software development, and build your skills in languages such as .NET and C++. Learn with the latest industry-standard technologies and tools in the IT Development Studio and IT Innovation Studio located on campus. Gain valuable practical experience by completing major projects in your final year, focusing on real-world IT issues or challenges. Graduate with a degree accredited by the Australian Computer Society.

CAREERS
Software engineer / test manager / software developer / iOS developer / programmer / software architect / IT project lead

YOU MIGHT ALSO LIKE
- Bachelor of Information Technology
- Bachelor of Information Technology (Games and Entertainment Design)
- Bachelor of Engineering (Honours) (Electrical and Electronic)

FURTHER STUDY
- Master of Information Technology (Enterprise Management)
- Master of Cybersecurity
- Master of Data Science

DEGREE STRUCTURE

FIRST YEAR
Information Technology Fundamentals
Problem Solving and Programming
Network Fundamentals
Design Thinking Studio
Object Oriented Programming
Data Driven Web Technologies
System Requirements and User Experience
System Requirements Studio

SECOND YEAR
Software Design and Implementation
System Design Studio
Operating Systems and Tool Chains
Data Structures Essentials
Agile Development and Governance
Project Studio
Web Technology
Data Structures Advanced

THIRD YEAR
Security Principles
Big Data Basics
Design Patterns with C++
Computer Science
Secure Software Development
Research Directions in ICT
Clou and Concurrent Programming
AI and Machine Learning

FOURTH YEAR
IT Project 1
System Architecture
Software Engineer Elective 1
Database for the Enterprise
IT Project 2
Software Engineer Elective 2
Software Engineer Elective 3

Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.

“I chose to study at UniSA because of the practical and industry-focused approach to learning. I have gained international industry experience in Vietnam and Sweden, which has encouraged me to try new things in ways I never thought possible. My degree has provided knowledge in all aspects of information technology, software, and networking, which also helped me to land a Graduate Software Engineer job at one of Australia’s leading defence companies months before I even graduated.”

Louis Nathan
software engineering student

unisa.edu.au/apply
Bachelor of Information Technology (Honours)

unisa.edu.au/IT

Mawson Lakes Campus

On-campus

1 year full-time

Intakes: Feb, Jul

Research project

Selection Rank:

• cut-off 2020 n/a
• guaranteed entry n/a

SATAC code: 4BH006

Program code: LHCP

VET: guaranteed entry n/a

Guaranteed entry

Prerequisites: none

Assumed knowledge: none

Study a one-year honours program to enhance your professional career opportunities in information technology, computing or information systems; or continue with additional postgraduate studies. Complete advanced coursework and a major 12-month project focusing on a real-world IT issue or challenge that demonstrates your multi-disciplinary skills in key areas such as computer graphics, business intelligence, software development, networking, information management and security. Benefit from access to the latest knowledge and insights from our strong research environment, including the Australian Research Centre for Interactive and Virtual Environments (IVE) located on campus. Graduate with a degree professionally accredited by the Australian Computer Society.

CAREERS

ICT manager / network security manager / software engineer / test manager / IT project manager / IT consultant / network architect / computer scientist / cybersecurity consultant / research assistant

ENTRY REQUIREMENTS

This program is available to students who have successfully completed a bachelor degree in information technology or a related discipline, and who have displayed a high-level of academic achievement throughout their degree (typically a credit average or above).

FURTHER STUDY

• Master Information Technology (Enterprise Management)
• Master of Cybersecurity
• Master of Data Science
• Masters by Research
• Doctor of Philosophy (PhD)

DEGREE STRUCTURE

FIRST YEAR

Research Methods
Elective
ITMS Honours Minor Thesis 1
2 x Electives
ITMS Honours Minor Thesis 2

SECOND YEAR

Data Structures
Statistics Using R
Systems Design
Web Development
Predictive Analytics
Business Analytics
2 x Electives

Bachelor of Information Technology and Data Analytics

unisaonline.edu.au/it-data-analytics

100% online

Intakes: Jan, Apr, Jun, Sept

UniSA Online

Real-world projects

3 years full-time

Program code: XBCP

Part-time study available

Time commitment: 10–15 hours per week per course

Pathways: Literacy and Numeracy Test with relevant work experience (UniSA Online); or Foundation Studies or Diploma in Information Technology (UniSA College).

Prerequisites: none

Assumed knowledge: none

STUDY ON DEMAND

Study a 100% online degree in IT and data analytics, designed specifically for flexible learning. Explore all facets of IT including programming, networking, web applications, and systems analysis and design. Analyse and visualise rich data sources, learn to identify data trends and generate data management strategies. Get hands-on experience by working with the latest tools in data mining, predictive analysis, trend monitoring and data visualisation. Access online support services seven days a week, view learning resources 24/7 and log in to the interactive online environment anywhere, anytime, and on any device. Benefit from flexible study with no need to attend lectures or come on campus – all courses and assessments are delivered online. Scholarships and grants are also available for eligible students.

CAREERS

Data scientist / data visualisation specialist / web developer / software developer / developer programmer / database designer / systems analyst

CREDIT CHECK

Fast-track your degree and receive credit for past study and/or work experience.

HOW TO APPLY

1. Check your eligibility at unisaonline.edu.au/eligibility
2. Gather your relevant documents
3. Complete your application and send through your documents

Apply directly at unisaonline.edu.au or call 1800 531 962

DEGREE STRUCTURE

FIRST YEAR

Critical Approaches to Online Learning
Information Technology Fundamentals
Problem Solving and Programming
Design Thinking and Digital Innovation
Systems Analysis
Programming Fundamentals
IT Project Management
Database Fundamentals

SECOND YEAR

Network Fundamentals
Interface Design, Interaction and Experience
Big Data Analytics
Data Visualisation
ICT Project (Part 1)
ICT Project (Part 2)
2 x Electives

THIRD YEAR

Network Fundamentals
Interface Design, Interaction and Experience
Big Data Analytics
Data Visualisation
ICT Project (Part 1)
ICT Project (Part 2)
2 x Electives
Bachelor of Mathematics (Data Science)

unisa.edu.au/mathematics

Mawson Lakes Campus

On-campus/Online

3 years full-time

Intakes: Feb, Jul

Real-world projects

YOU MIGHT ALSO LIKE

- Bachelor of Mathematics (Industrial and Applied Mathematics)
- Bachelor of Information Technology
- Bachelor of Software Engineering (Honours)

FURTHER STUDY

- Bachelor of Applied Science (Honours) (Industrial and Applied Mathematics) – one year
- Master of Data Science
- Master of Teaching (Secondary)

DEGREE STRUCTURE

FIRST YEAR

- Calculus 1
- Statistical Methods
- Problem Solving and Programming
- Discrete Mathematics
- Calculus 2
- Linear Algebra
- Object Oriented Programming
- Data Driven Web Technologies

SECOND YEAR

- Applied Probability
- Data Structures
- Web Development
- Interface Design, Interaction and Experience
- Mathematical Communication
- Mathematical Modelling
- Data Analytics using R
- Analytics for Decision Making

THIRD YEAR

- Linear Programming and Networks
- Predictive and Descriptive Analytics
- Visualisation for Data Science
- Mathematics Clinic 1 OR Elective
- Business Intelligence and Analytics
- ICT Project OR Advanced Mathematics
- Clinic
- Mathematics/IT OR Science Elective

Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.

Package this program with the Master of Teaching (Secondary) to become a maths teacher.

Find out more at unisa.edu.au/become-a-teacher

SATAC code: 434221

Selection Rank:

- cut-off 2020: 78.80
- guaranteed entry: 80.00

Package this program with the Master of Teaching (Secondary) to become a maths teacher.

Find out more at unisa.edu.au/become-a-teacher

SATAC code: 434221

Unisa College pathways: Foundation Studies

Prerequisites: SACE Stage 2 Mathematical Methods

The unisa Maths Short Course is available to students who have not successfully completed SACE Stage 2 Mathematical Methods, but have completed SACE Stage 1 Mathematics with at least 20 credits, C Grade or higher.

Assumed knowledge: none

Prepare for a career in the growing field of data science where skilled professionals are in high demand. Discover ways to analyse and interpret vast amounts of data to provide intelligent business solutions. Learn to solve complex problems through quantifying and understanding data. Study a balanced mix of courses in mathematics, information technology and data science. In first year, you will focus on building your mathematical and programming skills with courses in calculus, statistical methods, fundamentals of programming and databases. You will then move into applied data science studies, learning about areas such as web development, data structures, mathematical communication and mathematical modelling. In final year, you will develop skills in programming and networking, project management and analytics. Gain hands-on experience through a major ICT project working on a real-world challenge and strengthen your abilities in research, analysis and interpretation of data. Package this degree with a Master of Teaching (Secondary) to become a maths teacher.

Note: Due to changes in SACE and ATAR, please check with us to ensure you meet the entry requirements.

CAREERS

Data scientist / data analyst / business intelligence analyst / data architect / data mining engineer / visualisation designer / data consultant / big data engineer / big data researcher / teacher (with further study)
Bachelor of Mathematics (Industrial and Applied Mathematics)

unisa.edu.au/mathematics

Mawson Lakes Campus
On-campus/Online
3 years full-time

Intakes: Feb, Jul
Real-world projects

Selection Rank:
cut-off 2020 ..................... 78.65
guaranteed entry ................ 80.00

SATAC code ................. 434161
Program code .............. LBMH

VET:
guaranteed entry ................. Dip

✓ part-time study available
✓ honours available

UniSA College pathways: Foundation Studies

Prerequisites: SACE Stage 2 Mathematical Methods
The UniSA Maths Short Course is available to students who have not successfully completed SACE Stage 2 Mathematical Methods, but have completed SACE Stage 1 Mathematics with at least 20 credits, C Grade or higher.

Assumed Knowledge: none

Choose from a wide range of elective courses in areas like statistics and data science, information technology, physics, biology, chemistry and ecosystem sciences.

Apply mathematical methods and models to find solutions to practical problems. Explore the relationship and application of mathematics to other disciplines such as physics, engineering, information technology and biology. Develop your problem-solving and analytical skills by studying key courses in simulation theory, algebra, differential equations and stochastic calculus. Broaden your knowledge and skills through additional courses in IT and programming, focusing on statistical methods, fundamentals of programming, and understanding databases. Participate in the Maths Clinic program in your final year, working closely with an industry partner on a real-world project. Package this degree with a Master of Teaching (Secondary) to become a maths teacher.

Note: UniSA’s maths degrees (Program code: LBMH) share common first-year courses, so students have the option to transfer specialisations and receive study credit for successfully completed courses.

CAREERS
Biostatistician / cryptanalyst / business data analyst / forecast analyst / business intelligence developer / mathematician / information analyst / data modeller / information security analyst / researcher / teacher (with further study)

YOU MIGHT ALSO LIKE
• Bachelor of Mathematics (Data Science)
• Bachelor of Engineering (Honours) (Civil)
• Bachelor of Science
• Bachelor of Secondary Education (Honours)

FURTHER STUDY
• Bachelor of Applied Science (Honours) (Industrial and Applied Mathematics) – one year
• Master of Data Science
• Master of Teaching (Secondary)

DEGREE STRUCTURE

FIRST YEAR
Calculus 1
Statistical Methods
Problem Solving and Programming
Discrete Mathematics

Calculus 2
Linear Algebra
Object Oriented Programming
Data Driven Web Technologies

SECOND YEAR
Applied Probability
Linear Programming and Networks
Mathematical Methods for Engineers 3
Multivariable Calculus

Mathematical Communication
Mathematical Modelling
Elective
Differential Equations 1

THIRD YEAR
Mathematics Clinic 1
Optimisation
Fundamentals of Real Analysis
Elective

Advanced Mathematics Clinic
Topics in Mathematics 1
Topics in Mathematics 2
University Elective

Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.

Package this program with the Master of Teaching (Secondary) to become a maths teacher.

Find out more at unisa.edu.au/become-a-teacher

SATAC code: 434181
Take your studies to the next level and prepare for advanced coursework and research in applied mathematics, statistics and optimisation through a one-year honours program. Study core topics such as simulation theory, algebra, differential equations and stochastic calculus. Complete a major industrial, scientific or commercial project that explores the practical application of mathematics to real-world challenges under the supervision of a highly experienced mathematician or statistician. Access our multi-million dollar Materials and Minerals Science Learning and Research Hub on campus. Graduate with the skills required to work in a wide range of areas such as sustainability, defence, data science or research.

CAREERS
Environmental modeller / mathematical analyst / mathematical modeller / mathematician / data scientist / business intelligence analyst / defence analyst / researcher

Entry requirements
A bachelor degree in mathematics, or an equivalent qualification, from a recognised higher education institution with meritorious performance.

FURTHER STUDY
• Master of Data Science
• Masters by Research
• Doctor of Philosophy (PhD)

DEGREE STRUCTURE

Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.
Bachelor of Science

unisa.edu.au/science

Mawson Lakes Campus

On-campus

3 years full-time

Intakes: Feb, Jul

Real-world projects

Selection Rank:

SATAC code: 434201

Program code: LBS3

cut-off 2020: 61.00

guaranteed entry: 70.00

VET:

guaranteed entry: Dip

✓ part-time study available

✓ honours available

Unisa College pathways: Foundation Studies or Diploma in Science and the Environment

Prerequisites: Students must have completed two of the following – SACE Stage 2 Biology, SACE Stage 2 Chemistry, SACCE Stage 2 Earth and Environmental Science, SACE Stage 2 Mathematical Methods, SACE Stage 2 Physics or SACE Stage 2 Specialist Mathematics.

The UniSA Maths Short Course is available for students who do not have the mathematics prerequisites for the Applied Physics and Mathematics majors.


Choose two majors from Applied Physics, Biology, Chemistry, Ecosystem Sciences and Mathematics.

Unravel the mysteries of the natural and physical world. Build your career as a scientist, making predictions and informed decisions through the systematic study of the nature and behaviour of the physical universe. Study the fundamentals of science through observation, experimentation and measurement. Tailor your degree by choosing two majors that align with your interests and career goals, including Applied Physics, Biology, Chemistry, Ecosystem Sciences or Mathematics. Gain practical experience through laboratory and fieldwork. Access industry-standard facilities and engage with researchers at the multi-million dollar Future Industries Institute on campus. Package this degree with a Master of Teaching (Secondary) to become a science teacher.

Note: Students interested in taking a major in another area of science can discuss their options with a science teacher.

CAREERS

This degree can lead to a variety of careers in the following:

Research laboratories / medical and pharmaceutical industries / manufacturing / environmental management / food development / geographical information systems / mining and energy / information technology / defence science / meteorology / teaching (with further study)

YOU MIGHT ALSO LIKE

• Bachelor of Environmental Science
• Bachelor of Mathematics (Industrial and Applied Mathematics)
• Bachelor of Health Science (Public Health)
• Bachelor of Medical Science
• Bachelor of Secondary Education (Honours)

FURTHER STUDY

• Bachelor of Science (Honours) – one year
• Master of Teaching (Secondary)
• Masters by Research
• Doctor of Philosophy (PhD)

DEGREE STRUCTURE

FIRST YEAR

Professional and Technical Communication

Science Major A – course 1
Science Major B – course 1
Elective 1

Statistics for Laboratory Sciences

Science Major A – course 2
Science Major B – course 2
Elective 2

SECOND YEAR

Science Major A – course 3
Science Major A – course 4
Science Major B – course 3
Elective 3

Science Major B – course 4
Science Major B – course 5
Science Major A – course 5
Elective 4

THIRD YEAR

Science Major A – course 6
Science Major A – course 7
Science Major B – course 6
Elective 5

Science Major A – course 8
Science Major B – course 7
Science Major B – course 8
Elective 6

APPLIED PHYSICS MAJOR

Applied Physics 1
Applied Physics 2
Physics of Materials and Technology
Computational Science 1
Applied Physics 4
Modern Physics OR Computational Science 2
Optical Communications G OR Lasers and Optics
Applied Science Project

ECOSYSTEM SCIENCES MAJOR

Research Elective Project

Molecules-to-Materials: Foundations for Nanochemistry
Research Elective Project

BIOLGY MAJOR

Chemistry 100
Chemistry 101
Synthetic Chemistry
Structure Determination and Analysis
Advanced Synthetic Chemistry
Advanced Structure Determination and Analysis
Molecules-to-Materials: Foundations for Nanochemistry
Research Elective Project

CHEMISTRY MAJOR

Chemistry 100
Chemistry 101
Synthetic Chemistry
Structure Determination and Analysis
Advanced Synthetic Chemistry
Advanced Structure Determination and Analysis
Molecules-to-Materials: Foundations for Nanochemistry
Research Elective Project

ECOSYSTEM SCIENCES MAJOR

Research Elective Project

MATHEMATICS MAJOR

Calculus 1
Calculus 2
Linear Algebra
Fundamentals of Real Analysis
Differential Equations 1
Mathematical Sciences Project
Topics in Mathematics 1
Multivariable Calculus

Looking for alternative entry?

Preference a packaged Diploma in Science and the Environment/Bachelor of Science.

For more information, visit unisa.edu.au/college

SATAC code: 426064

Package this program with the Master of Teaching (Secondary) to become a science teacher.

Find out more at unisa.edu.au/become-a-teacher

SATAC code: 434101
Bachelor of Environmental Science
unisa.edu.au/enviro

Mawson Lakes Campus
On-campus
3 years full-time

Intakes: Feb, Jul
Real-world projects

FURTHER STUDY
• Bachelor of Science (Honours) – one year
• Master of Environmental Science
• Master of Surveying
• Master of Teaching (Secondary)

DEGREE STRUCTURE

FIRST YEAR
- Biodiversity for the Environment
- Earth Systems
- Environment: A Human Perspective
- Introduction to Surveying and Spatial Sciences
- Environmental Analytical Methods
- Spatial Data Acquisition and Analysis
- Environmental Chemistry
- Sustainable Ecosystems

SECOND YEAR
- Environmental Remote Sensing
- Environmental Interpretation and Community Engagement
- Engineering and Environmental Geology
- Ecology
- Web Cartography
- Environmental Policy and Regulations
- Sustainable Development: A Global Perspective
- Conservation Biology
- Conservation Biology
- Restoration Ecology
- Park and Ecotourism Management
- Ecosystem Monitoring
- Environmental and Geospatial Field Project

THIRD YEAR
- ECOLOGY AND CONSERVATION MAJOR
  - Environmental Conflict and Public Consultation
  - Elective
  - Restoration Ecology
  - Park and Ecotourism Management
  - Ecosystem Monitoring
  - Environmental and Geospatial Field Project

Looking for alternative entry?
Preference a packaged Diploma in Science and the Environment/Bachelor of Environmental Science.

For more information, visit unisa.edu.au/college
SATAC code: 426062

Unisa College pathways: Foundation Studies or Diploma in Science and the Environment
Prerequisites: none
Assumed knowledge: none

Build a career in environmental sustainability, exploring how humans interact with the environment and how we can best manage it. Study core courses in biology, soil science, ecology, conservation, geology and social sciences. Complete in-depth examinations in biological and earth sciences. Develop essential skills working with Geospatial Information Systems (GIS) to capture, analyse and manage spatial and geographic data. Choose a major study area to tailor your degree, including Ecology and Conservation, or Earth Science and Environmental Chemistry. Learn in a specialised immersive virtual environment on campus using Project LIVE visualisation technology, which transforms traditional classroom activities into interactive learning. Access cutting-edge digital imagery of local environments and the tools to process data and evaluate its meaning. Through this technology, you will become familiar with the latest digital imaging, mapping and spatial analysis techniques. Gain additional practical experience through hands-on field work and real-world projects. Continue your studies through the Master of Teaching (Secondary) to teach science up to Year 10 and environmental science to Year 12.

CAREERS
- Environmental adviser / land management officer / sustainability officer / environmental consultant / ecologist / environmental scientist / environmental project officer / environmental strategy manager / environmental researcher / teacher (with further study)

To learn more about how to become a teacher, visit unisa.edu.au/become-a-teacher

YOU MIGHT ALSO LIKE
- Bachelor of Science
- Bachelor of Health Science (Public Health)
- Bachelor of Engineering (Honours) (Surveying)
- Bachelor of Secondary Education (Honours)
Bachelor of Outdoor and Environmental Leadership

unisa.edu.au/enviro

City East Campus
On-campus
3 years full-time

Intakes: Feb
Placement

Selection Rank:
cut-off 2020........................................... NEW
guaranteed entry........................................80.00
VET: guaranteed entry.................................... Dip

UnisA College pathways: Foundation Studies, Diploma in Health or Diploma in Science and the Environment
Prerequisites: none
Assumed knowledge: none

Study the only degree of its kind in South Australia, combining the unique disciplines of outdoor leadership and environmental science. Graduate with diverse knowledge and skills across environmental leadership, social justice and sustainable living. Tailor your studies through a major or sub-major in areas such as Counselling and Interpersonal Skills, Indigenous Tourism, Biology or Environmental Systems. Study courses focusing on areas like biodiversity, sustainable ecosystems, caring for country, coastal environments and Earth systems. Benefit from over 400 hours of hands-on, practical experience in a variety of real-world settings. Continue your studies through the Master of Teaching (Secondary) to teach science up to Year 10, and Biology or environmental science to Year 12.

Note: Students will be required to hold a current National Police Certificate and Department of Human Services (DHS) Working with Children Check.

CAREERS
Outdoor education practitioner / community development officer / ecotourism guide / land and natural resources manager / outdoor activation coordinator / youth worker / sustainability adviser / teacher (with further study)

To learn more about how to become a teacher, visit unisa.edu.au/become-a-teacher

YOU MIGHT ALSO LIKE
- Bachelor of Human Movement
- Bachelor of Environmental Science
- Bachelor of Health Science (Public Health)

FURTHER STUDY
- Bachelor of Science (Honours) – one year
- Master of Environmental Science
- Master of Teaching (Secondary)
- Master of Health Services Management
- Master of Research (Health Sciences)

DEGREE STRUCTURE

FIRST YEAR
- Biodiversity for the Environment
- Earth Systems
- Environment: A Human Perspective
- Foundations of Outdoor Leadership
- Soils in the Australian Landscape
- Sustainable Ecosystems
- Caring for Country
- Introduction to Group and Team Psychology

SECOND YEAR
- Coastsal Environments
  - Elective 1
  - Environmental Interpretation and Community Engagement
  - Life on Earth A
- Outdoor, Wilderness and Adventure
- Education
- Leadership in Terrestrial Environments
  - Elective 2

THIRD YEAR
- Leadership in Aquatic Environments
- Park and Wilderness Management
  - Electives
- Professional Practice in Outdoor Leadership
- Leadership in Recreation and Sport
  - Electives

Bachelor of Science (Honours)

unisa.edu.au/science

Mawson Lakes Campus
On-campus
1 year full-time

Intakes: Feb
Research project

Selection Rank:
cut-off 2020........................................... n/a
guaranteed entry........................................ n/a
VET: guaranteed entry.................................... n/a

UnisA College pathways: Foundation Studies, Diploma in Health or Diploma in Science and the Environment
Prerequisites: none
Assumed knowledge: none

Continue your studies through advanced coursework and research in a range of science disciplines through a one-year honours program. Explore areas such as nanomaterials and biomaterials, chemistry, applied physics, materials science, agricultural and food science, environmental science, earth science and ecology. Study courses in research methods, principles and ethics to prepare you for a major research project, which includes laboratory work and data collection and analysis. Develop an honours thesis and present your findings to academics, peers and relevant industry and government stakeholders. Access the multi-million dollar Materials and Minerals Science Learning and Research Hub on campus and work alongside research and industry experts at our Future Industries Institute. Graduate with a competitive advantage and a qualification that will broaden your career opportunities or prepare you for postgraduate study and research.

CAREERS
This program can lead to a variety of careers in the following areas:
- Product development / manufacturing / clinical trials / technology advancement / environmental consulting / parks and recreation / minerals / agriculture

ENTRY REQUIREMENTS
- This program is available to students who have successfully completed a bachelor degree in a relevant discipline and have displayed a high level of academic achievement throughout their degree, typically a credit level average or above.
- Relevant disciplines typically include science, technology, engineering or environmental studies. Applicants with qualifications in other disciplines are encouraged to apply and will be assessed on a case-by-case basis.

FURTHER STUDY
- Master of Environmental Science
- Masters by Research
- Doctor of Philosophy (PhD)

DEGREE STRUCTURE

FIRST YEAR
- Research Theory and Practice
- Advanced Topics in Science 1
- OR
- Advanced Topics in Science 2
- AND Elective
- Honours Research Project 1
- Honours Research Project 2 N
"I was raised on a sheep and cropping farm in the mid-north of South Australia and have always been interested in biology and the environment. This led me to study a science degree. I am fascinated by the possibilities of science and have decided to further my knowledge by completing an honours program. My goal is to pursue a career in research because I enjoy field work and being outdoors."

Bianna Kelly
science student
POSTGRADUATE AND RESEARCH DEGREES

Take your career to the next level and develop your knowledge further through postgraduate study.

You can also make a positive and lasting contribution to your field through a research degree.

To explore our postgraduate degrees, visit unisa.edu.au/study

To learn more about our research degrees, visit unisa.edu.au/resdegrees

Master of Cybersecurity
unisa.edu.au/IT

Mawson Lakes Campus
On-campus
2 years full-time
Commonwealth supported*
Real-world projects

SATAC code .................. 4CM207  part-time study available
Program code .................. LMCY

Join a rapidly growing industry tasked with protecting critical IT infrastructure and information. Study technical topics such as network infrastructure, security operations, web and cloud security, and cybersecurity planning and compliance. Develop the leadership and negotiation skills needed to become a cybersecurity expert, and to manage cybersecurity projects and personnel. Explore cybersecurity defence strategies for complex environments, including penetration testing and presentation methods for communicating technical topics to broader audiences. Learn how to apply technical skills to organisational contexts with a focus on risk management and incident response. Gain valuable practical experience by completing a final-year cybersecurity exercise where you will devise and implement a defence strategy for a complex enterprise environment. Collaborate with our Innovation & Collaboration Centre, and access industry expertise in technology, design, business growth, management, marketing and commercialisation.

CAREERS
Security analyst / security software developer / cybersecurity specialist / system security engineer / cyber solutions architect / cybersecurity adviser / cybersecurity manager

ENTRY REQUIREMENTS
• Entry to this program is competitive and will be assessed by the University.
• Applicants will typically have completed a bachelor degree in information technology with a Grade Point Average (GPA) of at least 5.
• Applicants who have completed a bachelor degree or higher in any discipline may also be considered for entry based upon their IT expertise gained through formal tertiary studies and/or relevant work experience.
• Applicants may be required to attend an interview, either in-person or online.

YOU MIGHT ALSO LIKE
• Master of Data Science
• Master of Information Technology (Enterprise Management)

DEGREE STRUCTURE

FIRST YEAR
IT Concepts
Network Infrastructure
Security Principles
Security Operations
Security Consultancy
Network Security
Operating Systems and Application Security
Web and Cloud Security

SECOND YEAR
Digital Forensics Essentials
Industrial Internet Security
Enterprise Security
Cybersecurity Planning and Compliance
Security Architecture
Capstone Professional Project
Master of Data Science

Nested with:
- Graduate Certificate in Data Science (LCDS)
- Graduate Diploma in Data Science (LGDS)

unisa.edu.au/IT

Entry Requirements:
- Bachelor degree in information technology or mathematics from a recognised higher education institution; or
- Graduate diploma or graduate certificate in data science from a recognised higher education institution

You Might Also Like:
- Master of Cybersecurity
- Master of Information Technology (Enterprise Management)
- Master of Information Management (Archives and Records Management)

Degree Structure

First Year
- Big Data Basics
- Statistical Programming for Data Science
- Predictive Analytics
- Unsupervised Methods in Analytics
- Data Visualisation

Second Year
- Social Media Data Analytics
- Customer Analytics in Large organisations
- Advanced Analytic Techniques 1
- Advanced Analytic Techniques 2
- Capstone Professional Project

Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.

Careers
Data scientist / big data visualiser / business intelligence analyst / information security analyst / social media analyst / customer insights analyst / data analyst / data engineer / researcher

Real-world projects

Master of Information Technology (Enterprise Management)

Nested with:
- Graduate Certificate in Information Technology (LCIG)
- Graduate Diploma in Information Technology (Enterprise Management) (LGIG)

unisa.edu.au/IT

Entry Requirements:
- Bachelor degree in any discipline from a recognised higher education institution; or
- Graduate certificate in information technology from a recognised higher education institution; or
- Graduate diploma in information technology from a recognised higher education institution

You Might Also Like:
- Master of Cybersecurity
- Master of Data Science

Degree Structure

First Year
- IT Concepts
- Business Practices for IT Professionals
- Project Management for IT Professionals
- Professional Communication
- Business Intelligence and Analytics
- Enterprise Systems using SAP
- Business Systems Analysis
- Elective 1

Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.

Careers
Business and systems analyst / ICT manager / ICT network and support manager / solutions architect / ICT project manager / ICT portfolio manager / ICT test manager

Real-world projects

Intakes: Feb, Jul
- $29,400 pa* indicative 2020

Intakes: Feb, Jul
- $26,500 pa* indicative 2020

SACAC code: 4CM128
Program code: LMIG

SACAC code: 4CM133
Program code: LMIG

*see page 28 for more information
Master of Information Management

Degrees:
- Master of Information Management (Archives and Records Management)
- Master of Information Management (Library and Information Management)

Nested with:
- Graduate Certificate in Information Management (DCIL)
- Graduate Diploma in Information Management (Archives and Records Management) (DGIL)
- Graduate Diploma in Information Management (Library and Information Management) (DGIL)

unisa.edu.au/info-management

City West Campus
On-campus/Online
2 years full-time
Intakes: Jan, Mar, Jun, Sept
Commonwealth supported*
Placement

Archives and Records Management
Program code ........... DMIL
SATAC code .................. 4CM135

Library and Information Management
Program code ........... DMIL
SATAC code .................. 4CM134

✓ part-time study available
*see page 28 for more information

Study one of South Australia’s only information management qualifications and choose the specialisation that interests you most. In the Archives and Records Management program, you will develop the unique skills required for archiving and preserving information. In the Library and Information Management program, you will build the skills required of contemporary librarians and information officers. In both programs, you will gain practical experience through a real-world project and a four-week placement within a library setting. You will also benefit from a curriculum developed in collaboration with the State Library of South Australia and the State Records of South Australia. In final year, you can also choose to either complete a research project or a minor thesis. Take advantage of flexible learning options, including part-time and online study. Graduate with a degree accredited by the Records and Information Management Professionals of Australasia. Respective degrees are also accredited by the Australian Society of Archivists and the Australian Library and Information Association.

CAREERS
Depending on your chosen degree, your career options can include:
Librarian / records manager / archivist / information management officer / preservation manager / collections manager / library manager / community programs coordinator / information management consultant

ENTRY REQUIREMENTS
- Bachelor degree in any discipline from a recognised higher education institution; or
- Graduate diploma in information management from a recognised higher education institution.

YOU MIGHT ALSO LIKE
- Master of Data Science
- Master of Information Technology (Enterprise Management)

DEGREE STRUCTURE

FIRST YEAR

Archives and Records Management
- Information Management Professional Practice
- Technological Foundations
- Information Management Foundations
- Managing Collections
- Information Resources and Services
- Organising Resources
- Information Management Experience Reports
- Information Management Project
- Select one of the following four courses:
  - Digital Literacy
  - Reading and Readers’ Advisory
  - Metadata
  - Information Advocacy

Library and Information Management
- Information Management Professional Practice
- Technological Foundations
- Information Management Foundations
- Managing Collections
- Information Resources and Services
- Organising Resources
- Information Management Experience Reports
- Information Management Project
- Select one of the following four courses:
  - Digital Literacy
  - Reading and Readers’ Advisory
  - Metadata
  - Information Advocacy

SECOND YEAR

RESEARCH PROJECT
- Research Methods
- Elective 1
- Elective 2
- ITMS Masters Research Project
- Select three of the courses not already successfully completed:
  - Digital Literacy
  - Reading and Readers’ Advisory
  - Metadata
  - Information Advocacy

MINOR THESIS
- Research Methods
- Elective 1
- ITMS Masters Minor Thesis 1
- ITMS Masters Minor Thesis 2
- Select two of the courses not already successfully completed:
  - Digital Literacy
  - Reading and Readers’ Advisory
  - Metadata
  - Information Advocacy

Students may be required to undertake a combination of on-campus or online study. Students may be required to attend on-campus lectures, tutorials and practicals.

unisa.edu.au/study
Master of Environmental Science

Nestled with:
- Graduate Certificate in Environmental Science (LCES)
- Graduate Diploma in Environmental Science (LCES)

unisa.edu.au/enviro

- Mawson Lakes Campus
- On-campus
- 2 years full-time

Intakes: Feb, Jul

A$3,300 pa* indicative 2020

Research project

DEGREE STRUCTURE

FIRST YEAR

<table>
<thead>
<tr>
<th>Elective 1</th>
<th>Elective 2</th>
<th>Elective 3</th>
<th>Elective 4</th>
<th>Elective 5</th>
<th>Elective 6</th>
</tr>
</thead>
</table>
Masters Research Theory and Practice
Engineering and Environmental Masters Design Project

SECOND YEAR

<table>
<thead>
<tr>
<th>Elective 1</th>
<th>Elective 2</th>
<th>Elective 3</th>
<th>Elective 4</th>
<th>Elective 5</th>
<th>Elective 6</th>
</tr>
</thead>
</table>
NBE Masters Research Project

YOU MIGHT ALSO LIKE
- Master of Engineering – civil specialisations
- Master of Surveying

ENTRY REQUIREMENTS

- Bachelor degree of at least three years in a relevant discipline with a minimum credit average; or
- Honours 1, Honours 2A, or an appropriate master’s degree or equivalent qualification; or
- No tertiary qualifications (some discipline areas only) with demonstration of research capabilities via assessment of relevant quality publications and professional experience.

Doctor of Philosophy (PhD)

Contribute to the progress of science and technology by investigating a topic of interest. Flourish in a technological hub of theoretical, applied and cross-disciplinary research. Benefit from links to our multi-million dollar Future Industries Institute located on campus, aimed at transforming the industries of today and seeding the futures of tomorrow. Learn alongside world-class supervisors on industry-based projects focused on meeting the challenges of modern enterprise.

DISCIPLINE AREAS

- Applied Physics
- Bioinformatics
- Biomaterials Engineering and Nanomedicine
- Civil Engineering
- Computer and Information Science
- Construction Management
- Electrical Engineering
- Energy and Advanced Manufacturing
- Environmental Science
- Environmental Science and Engineering
- Geographic Information Science
- Information and Communication Technology
- Mathematics
- Mechanical Engineering
- Minerals and Resources
- Project Management
- Statistics
- Systems Engineering

ENTRY REQUIREMENTS

Masters by Research

- Bachelor degree of at least three years in a relevant discipline with a minimum credit average; or
- Honours 1, Honours 2A, or an appropriate master’s degree or equivalent qualification; or
- No tertiary qualifications (some discipline areas only) with demonstration of research capabilities via assessment of relevant quality publications and professional experience.

Alternative entry

- Other postgraduate and undergraduate degrees may be considered for admission into the Masters by Research or Doctor of Philosophy (PhD) with demonstration of research capabilities via assessment of relevant quality publications and professional experience.

Eligibility for entry into a research degree is also subject to an assessment of the proposed research, supervisor availability, and any University or research-specific eligibility requirements.
As per the Australian Government guidelines, the student contribution amounts for 2020 are:

Students in these places pay a contribution of their fees depending on the program chosen and the contribution band in which those courses are classified (see table below). The amount of your student contribution also depends on the grades of your Year 12 subjects.

For some degrees, applicants who have not achieved the Selection Rank (ATAR) required for automatic selection into their preferred degree may be selected for any remaining places based on the grades of their Year 12 subjects.

Universities in South Australia include ATAR-related adjustment factors (previously known as bonus points) for Australian high school students applying for entry into university via the following schemes:

- The Universities Equity Scheme – provides additional points for students coming from specified schools, as well as individuals experiencing socio-economic disadvantage.
- The Universities Language, Literacy and Mathematics Adjustment Scheme – provides additional points for students who successfully complete a language other than English, or specified English and Mathematics subjects.

UniSA offers guaranteed entry into many programs for domestic Year 12 and VET students. If your Selection Rank (ATAR) or VET award meets the UniSA Guaranteed Entry score for that program, you have met the prerequisites and any other program specific entry requirements, and you have listed the program as your first preference, you are in. It’s guaranteed. Please note application timelines may apply.

UniSA offers a range of scholarships and grants to support students from all walks of life. Each year, 2,500 students benefit from scholarships at UniSA, providing financial assistance as well as valuable work experience, mentoring opportunities and even overseas travel.

For more information and to check the eligibility criteria, visit:

unisa.edu.au/scholarships

All domestic undergraduate students at the University of South Australia are in Commonwealth-supported places. Students in these places pay a contribution of their fees depending on the program chosen and the contribution band in which those courses are classified (see table below). The amount of your student contribution also depends on the unit value of your courses of study.

As per the Australian Government guidelines, the student contribution amounts for 2020 are:

<table>
<thead>
<tr>
<th>BAND</th>
<th>AREA OF STUDY</th>
<th>STUDENT CONTRIBUTION For one year of full-time load (1 EFTSL)</th>
<th>STUDENT CONTRIBUTION For each subject (O12S EFTSL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Humanities, behavioural science, social studies, foreign languages, visual and performing arts, clinical psychology, nursing and education.</td>
<td>$6,684</td>
<td>$835</td>
</tr>
<tr>
<td>2</td>
<td>Computing, built environment, health, engineering, surveying, agriculture, mathematics, statistics and science.</td>
<td>$9,527</td>
<td>$1,190</td>
</tr>
<tr>
<td>3</td>
<td>Law, dentistry, medicine, veterinary science, accounting, administration, economics and commerce.</td>
<td>$11,155</td>
<td>$1,394</td>
</tr>
</tbody>
</table>

*Some postgraduate programs are also Commonwealth-supported (or CSP), while others are full fee-paying; this is listed on applicable programs. For programs under 10 year full-time study, fees are listed as the whole program fee (indicative of 2020). For programs over 10 years full-time study, fees are listed based on the cost per annum. For more information on fees including eligibility for Commonwealth-supported places, deferring your student contribution through HECS-HELP or FEE-HELP loans, please visit: unisa.edu.au/fees
The amount of your student contribution also depends on the band in which those courses are classified (see table below). The table also includes timelines that may apply.

UNISA GUARANTEED ENTRY

These are the programs that you have listed the program as your first choice for automatic selection into their entry requirements, and you have met the prerequisites and any other program specific requirements before applying. For more information, visit unisa.edu.au/apply.

Applicants may also be eligible to compete for entry if they have completed one of the following:

- the International Baccalaureate Diploma with a minimum score of 3.0
- an interstate or overseas qualification considered by the University as equivalent to SACE; or
- the fulfilment of the program’s prerequisite requirements and the completion of an award from TAFE or Vocational Education Training (VET) at least at the AQF Certificate IV or above.
- the International Diploma in English (IDE) with a minimum score of 75%
- a qualification from a higher education institution.
- completion of the University’s Foundation or Bridging programs.

Special entry opportunities and even overseas travel.

Unisa.edu.au/adjustmentfactors

In addition to the above, individuals experiencing socio-economic disadvantage may also be eligible for entry with relevant employment experience may also benefit from scholarships at UNISA, walks of life. Each year, 2,500 students and grants to support students from all fields of study, fees are listed as the whole.

Need some help?

Get help with your application by contacting Student Enquiries on (08) 8302 2376 or at unisa.edu.au/enquire.

For more information on fees including payment methods and how to apply for special entry, please visit: unisa.edu.au/fees

For more information on fees including payment methods and how to apply for special entry, please visit: unisa.edu.au/fees

Need some help?

For more information, visit: unisa.edu.au/apply

HOW TO APPLY

学子涯的体验

Orientation is the start of your journey at university. Explore your campus, meet new people, get study advice, and enjoy different activities and entertainment.

Campus Central are the on-campus gurus for ID cards, enrolment, fees and student services.

Support services are available to you throughout your time at university, including study support, personal counselling and peer mentoring, along with access to a range of community health clinics located on campus.

USASA is your student association at UNISA. They provide advocacy services, organise social activities and coordinate over 100 student clubs.

Unisa+ can provide you with a range of leadership, entrepreneurial, volunteering and self-development opportunities during your degree.

Student lounges provide you with a space to study or chill out, featuring work spaces, kitchen facilities, mobile charging stations, social spaces, lockers, gaming stations and more.

Food vendors and café-style dining facilities are now open at all UNISA campuses, including Honki Tonki, Zambriero, Abbot's and Kinney and more.

Unisa Sport has over 25 sporting clubs, including rowing, netball, gridiron, rock climbing and so much more. You can also gain access to fully-equipped gym facilities on all metro campuses.

Accommodation services are available to help you set up a home away from home.

24-hour security services are available on campus and the free SafeZone app is available for download through the App Store or Google Play.

2020 EVENTS

Our events give you the opportunity to take a tour around campus, attend presentations, ask questions about different degrees and careers, and talk to current staff and students.

UniSA OPEN DAY

Sunday 16 August / 9.00am—4.30pm / City West and City East Campus

CAMPUS DAYS

Magill Campus Day: Wednesday 26 August / 4.00pm—8.00pm
Mawson Lakes Campus Day: Tuesday 25 August / 4.00pm—7.30pm
Mount Gambier Open Day: Sunday 9 August / 11.00am—4.00pm
Whyalla Open Day: Sunday 30 August / 11.00am—3.00pm

For more information, visit unisa.edu.au/infosessions

SCHOOL HOLIDAY TOURS

We also offer campus tours during the school holidays. Make an online booking at unisa.edu.au/campustours

MyCareerMatch is a free personality and career profiling tool that you can complete before you start university. Contact Future Student Enquiries on (08) 8302 2376 or at unisa.edu.au/enquire

ATAR > DEGREE FINDER

Go online and check out our new ATAR > Degree Finder, to explore which degrees you may be eligible for using your Selection Rank. unisa.edu.au/ATAR-degree-finder