2022 INFORMATION TECHNOLOGY, MATHEMATICS AND SCIENCE

University of South Australia

INFORMATION TECHNOLOGY · MOBILE APPS · GAMES DESIGN · NETWORKING · CYBERSECURITY · SOFTWARE ENGINEERING · DATA SCIENCE · INDUSTRIAL AND APPLIED MATHEMATICS · SCIENCE · ENVIRONMENTAL SCIENCE · INFORMATION MANAGEMENT

30
UNSTOPPABLE
YEARS 1991 — 2021

#1 IN SA
FOR GRADUATE CAREERS

Thomas Lake, UniSA software engineering student.

A NEW REALITY AWAITS

Explore the infinite possibilities of information technology, mathematics and science, and their range of applications across different industries and careers. Build practical and theoretical knowledge across diverse fields like data science, networking and cybersecurity, mixed reality, software development, industrial mathematics, defence, artificial intelligence, games, science, environmental science and sustainability. 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 FOR GRADUATE CAREERS IN IT
ComparED (QILT) Graduate Outcomes Survey 2018-20, Computing and Information Systems – Full-time Employment Indicator (Undergraduate). 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.

DO THE MATHS

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.

NEW REALITIES

Did you know that you can explore the emerging field of augmented reality through your IT degree at UniSA? This developing 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 one of the largest augmented reality research and development facilities in the Southern Hemisphere — the Australian Research Centre for Interactive and Virtual Environments (IVE).

SECURE YOUR FUTURE

UniSA has partnered with Optus to establish a Cyber Security Research and Collaboration Hub at Lot Fourteen. It's all about driving new innovations in technology and providing the best education for Australia's next cybersecurity and data science professionals — and you can be part of it. Our digital interactions generate a digital footprint, providing insight into our online behaviours, preferences and trends. Cybersecurity and data science professionals are needed to help analyse digital trends and protect infrastructure in the current climate of escalating cyber attacks.

OPTUS

TOP 10 IN AUSTRALIA FOR COMPUTER SCIENCE
2021 THE Subject Rankings.

"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

#1 IN SA FOR EMPLOYER SATISFACTION
2019 QILT Employer Satisfaction Survey – Overall Satisfaction Indicator.

TEST WHAT'S POSSIBLE

Get real industry experience that will prepare you for your future career in STEM. Complete laboratory and field work throughout our science and environmental degrees or collaborate with local and international companies to solve real-world challenges in IT or mathematics. You will also have access to our recently constructed Industry 4.0 Testlab facilities on campus, which supports new innovations in the rapidly growing defence and space industries.

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 South Australian coastline to satellite monitoring of ice sheet stability in Antarctica, Project LIVE provides a hands-on experience of digital imaging, mapping and spatial analysis.

A SUCCESSFUL START

Accelerate your ideas and launch a startup business with in-house support from UniSA's Innovation & Collaboration Centre (ICC). The ICC delivers a program called Venture Catalyst, helping budding entrepreneurs turn their business ideas from concept to reality. The tailored program offers workshops, mentoring, free office space and potential funding. You will also be able to connect to industry experts and gain their insights as you take your idea from generation through to growth and expansion.

⊘ icc.unisa.edu.au

ICC INNOVATION & COLLABORATION CENTRE

UniSA Women in STEM Club students, Nicola Higgins and Bethany Caldwell.

Joe O'Leary, UniSA PhD candidate in mathematics.

#1 IN SA FOR STUDENT SATISFACTION IN MATHS AND SCIENCE

ComparED (QILT) Course Experience Questionnaire 2019-20 — Overall Satisfaction Indicator (Undergraduate). Public SA-founded universities only.

HIDDEN TREASURES

Explore one of the best-known geological heritage sites in the world through a gamified VR experience — Beyond the Ice. Developed by UniSA in partnership with Framework VR and AusIMM, it challenges users to identify fossils, measure glacial grooves and draw outlines of rock folds that shape the landscape.

Using 17 key geological sites captured through 360-degree panoramas, drone 3D models and walk-through footage, users are immersed in the interactive quest to reveal ancient and hidden stories of a fossilised landscape.

Students at UniSA are able to learn through immersive virtual environments by transforming traditional classroom activities into interactive study. In science, field work is crucial to learning and VR allows students to extend their skills across more locations than what may be otherwise possible.

LEADING IN RENEWABLES

Mawson Lakes Campus is home to our science degrees and is also the perfect backdrop to showcase our steps to a greener future. It 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.

CAN YOU DESIGN FOR PLEASURE?
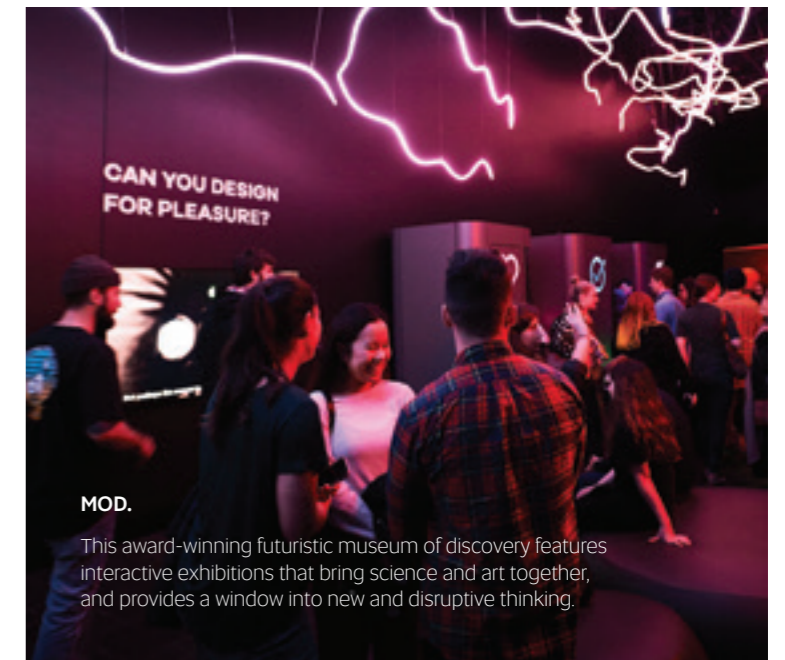
MOD.

This award-winning futuristic museum of discovery features interactive exhibitions that bring science and art together, and provides a window into new and disruptive thinking.

#1 IN SA FOR GRADUATE CAREERS IN MATHS AND SCIENCE

ComparED (QILT) Graduate Outcomes Survey 2018-20 — Full-time Employment Indicator (Undergraduate). Public SA-founded universities only.

"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."

#1 IN SA FOR TEACHING QUALITY

ComparED (QILT) Student Experience Survey 2018-2019. Public SA-founded universities only.

Associate Professor Tom Raimondo | Professorial Lead: Geology and Geochemistry

YOUR CAMPUS

YOUR HOME CAMPUS IS MAWSON LAKES

ON-CAMPUS PARKING AVAILABLE FOR LESS THAN $2 A DAY

VIRTUAL CAMPUS

We're one of Australia's largest online education providers, giving our students more choice when it comes to flexible learning. You can study fully online or through a blended mode. Our virtual campus is supported by custom online learning platforms using the latest industry software.

UniSA Student Portal ▶
UniSA Online Learning Platform ▼
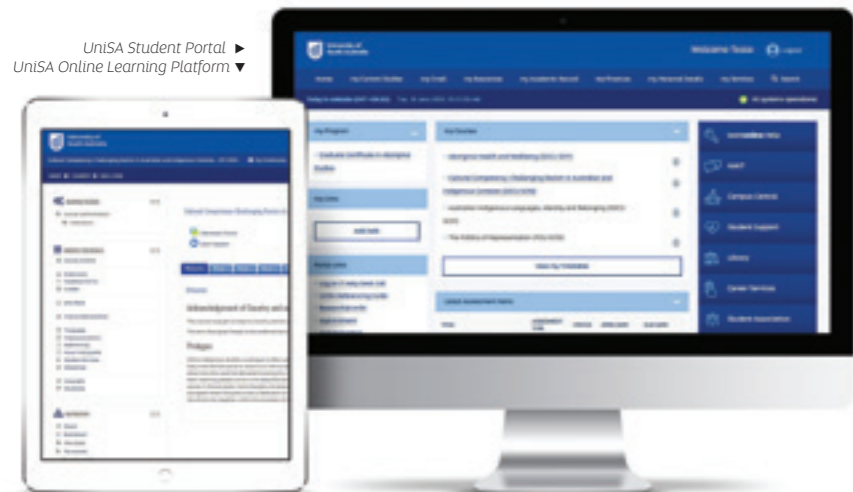
TAKE A VIRTUAL CAMPUS TOUR
⊘ unisa.edu.au/virtualcampustours

PROJECT LIVE / Learn through immersive virtual environments using the latest visualisation technologies that transform traditional classroom activities into interactive learning.

VR & AR TECHNOLOGY / Explore the world through a new reality with access to the latest augmented and virtual reality technologies during your studies.

SET YOUR SIGHTS HIGH / Did you know that our Mawson Lakes Campus is home to the Adelaide Planetarium? You can voyage through outer space and marvel at projections of the sun, moon, planets and more than 5,000 stars in a dome-shaped artificial night sky from the comfort of your own seat. It's open to the public and is a great space for all astronomy buffs!

INDUSTRY 4.0 TESTLAB / A practical laboratory where new industry practices come to life, including 3D printing, industrial-scale manufacturing, and virtual and augmented realities.

#1 IN SA FOR CAMPUS FACILITIES
ComparED (QILT) Student Experience Survey 2018-2019 – Learning Resources Indicator. Public SA-founded universities only.

GET CONNECTED

with Australia's University of Enterprise

PRACTICAL LEARNING

We offer more than 200 world-class degrees across a wide range of study and career areas. You will learn in a highly practical environment with a focus on real-world applications. You can also take the opportunity to complete an internship or placement during your studies, learning from experts and building work-ready skills.

TOP RANKING TEACHERS

Make your study experience relevant by learning from highly qualified academics and industry professionals with curriculum informed by the latest insights and trends. In fact, we're ranked number one in South Australia (QILT: Student Experience Survey) and amongst the best young universities in Australia (THE Young University Rankings) for teaching quality.

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 to the workplace. This includes state-of-the-art laboratories, community clinics, creative studios, collaborative learning areas 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 during your studies and build your professional networks before you graduate.

GLOBAL OPPORTUNITIES

Broaden your thinking and see the world through a range of global opportunities. Travel overseas through a student exchange, short-term program, internship, volunteering opportunity or study tour. Graduate with international experience and the skills to take on new challenges.

International travel is subject to Australian Government guidelines.

REAL RESEARCH

Our research is inspired by challenges. We produce new knowledge that provides real solutions for industry, businesses and the wider community. You will even explore new concepts and findings in your chosen degree, influenced by our world-class research outcomes.

LEARN A LANGUAGE

Develop the skills you need to work internationally 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 facilities, 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 USASA — your student association.

⊙ *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, or walk into one of our drop-in centres on campus for general advice.

⊙ *unisa.edu.au/careers*

#1 IN SA FOR STUDENT SATISFACTION
ComparED (QILT) Course Experience Questionnaire 2019-20 — Overall Satisfaction Indicator (Undergraduate). Public SA-founded universities only.

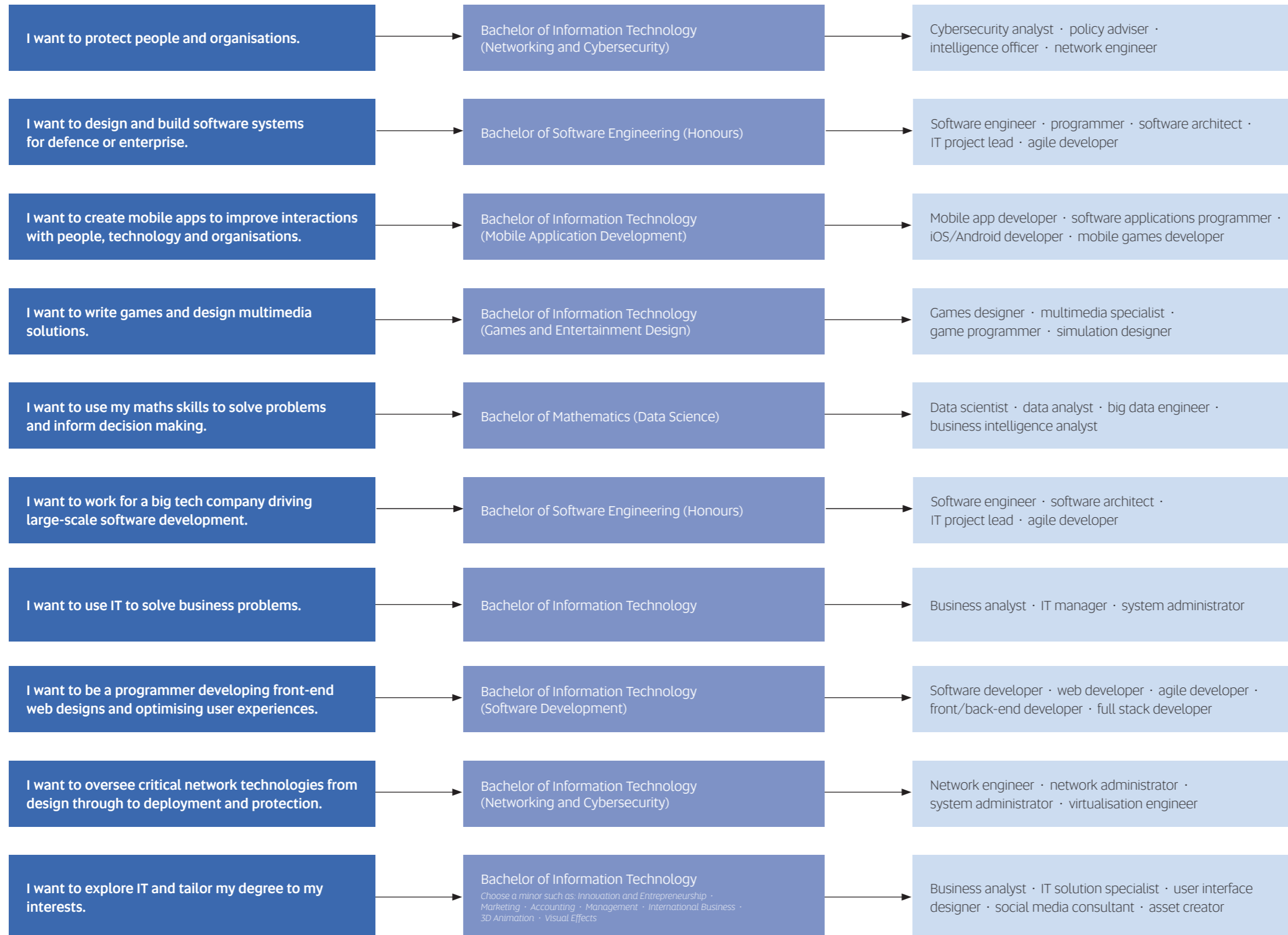**COLLABORATING WITH 2,500+ COMPANIES WORLDWIDE**

MAP YOUR IT CAREER

We offer a wide range of IT degrees and specialisations, so you can choose a study path that will help you get the career you want.

I WANT TO...	DEGREES TO GET YOU THERE	CAREER OUTCOMES
I want to protect people and organisations.	Bachelor of Information Technology (Networking and Cybersecurity)	Cybersecurity analyst · policy adviser · intelligence officer · network engineer
I want to design and build software systems for defence or enterprise.	Bachelor of Software Engineering (Honours)	Software engineer · programmer · software architect · IT project lead · agile developer
I want to create mobile apps to improve interactions with people, technology and organisations.	Bachelor of Information Technology (Mobile Application Development)	Mobile app developer · software applications programmer · iOS/Android developer · mobile games developer
I want to write games and design multimedia solutions.	Bachelor of Information Technology (Games and Entertainment Design)	Games designer · multimedia specialist · game programmer · simulation designer
I want to use my maths skills to solve problems and inform decision making.	Bachelor of Mathematics (Data Science)	Data scientist · data analyst · big data engineer · business intelligence analyst
I want to work for a big tech company driving large-scale software development.	Bachelor of Software Engineering (Honours)	Software engineer · software architect · IT project lead · agile developer
I want to use IT to solve business problems.	Bachelor of Information Technology	Business analyst · IT manager · system administrator
I want to be a programmer developing front-end web designs and optimising user experiences.	Bachelor of Information Technology (Software Development)	Software developer · web developer · agile developer · front/back-end developer · full stack developer
I want to oversee critical network technologies from design through to deployment and protection.	Bachelor of Information Technology (Networking and Cybersecurity)	Network engineer · network administrator · system administrator · virtualisation engineer
I want to explore IT and tailor my degree to my interests.	Bachelor of Information Technology *Choose a minor such as: Innovation and Entrepreneurship · Marketing · Accounting · Management · International Business · 3D Animation · Visual Effects*	Business analyst · IT solution specialist · user interface designer · social media consultant · asset creator

REAL-WORLD EXPERIENCE

We want you to be workplace ready, so through a Bachelor of Information Technology at UniSA, second year students may be offered a paid six-month internship with DXC Technology in Adelaide — one of the largest technology companies in the world. You will be mentored by industry experts, work on large IT projects and use this as part of your assessment for your final semester course.

DXC.technology
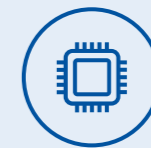
ICT PROJECT

IT students can put their skills into practice through our ICT Capstone Project. Typically completed in final year, you will work with an industry partner or client on a real-world challenge. This could include the application of new technologies, developing proof of concept solutions and analysing current business processes and areas for improvement. There are also dedicated learning hubs on campus where you can connect and collaborate, giving you the full workplace and project experience.

UniSA MATHS CLINIC

This is the only program of its kind in Australia and is open to final year maths, statistics and IT students. You will be tasked with a project that requires mathematical solutions to achieve success. The project will simulate a real workplace experience with key deliverables, deadlines and specifications, so that you can develop your technical knowledge as well as teamwork, networking, project management and leadership skills.

STUDY 100% ONLINE
Study On Demand

University of South Australia | Online

Do you want the ultimate flexibility? Then explore our range of 100% online degrees delivered through UniSA Online. You can study any time and on any device.

- Associate Degree in Engineering
- Bachelor of Business (Financial Planning)
- Bachelor of Business (Human Resource Management)
- Bachelor of Business (Management)
- Bachelor of Business (Marketing)
- Bachelor of Commerce (Accounting)
- Bachelor of Communication
- Bachelor of Community Health
- Bachelor of Construction Management
- Bachelor of Construction Management (Honours)

- Bachelor of Criminal Justice
- Bachelor of Data Analytics
- Bachelor of Digital Media
- Bachelor of Information Technology
- Bachelor of Health Science (Nutrition and Exercise)
- Bachelor of Marketing and Communication
- Bachelor of Psychological Science and Sociology
- Bachelor of Psychology
- Bachelor of Public Health

SUPPORT SERVICES

UniSA Online provides personalised support services over extended hours – including on weekends – so you can get help when you need it. Whether it's for assignments, referencing, administrative or technical supports, you'll have access to a team ready to assist you every step of the way.

→ **Access online academic support seven days a week**

→ **Connect with a dedicated student adviser**

→ **Access tech support 24/7**

⊘ **Learn more** *unisaonline.edu.au*

- Degrees specifically designed for online learning
- All assessments are 100% online
- Four start dates per year (Jan, Apr, Jun, Sep)
- Learn in 10-week blocks
- 24/7 access to learning resources
- Flexible around your life
- Credit for previous study and relevant work experience
- Scholarships and grants available

DID YOU KNOW?

As a UniSA Online student you still have full access to the facilities, resources, events and support services available across all of our campuses.

UPSKILL WITH A SINGLE COURSE IN 10 WEEKS

You can study a single course 100% online over 10 weeks to upskill in an area that interests you most or to gain new knowledge that employers are looking for. Explore areas like accounting, marketing, data analytics, psychology and digital design. You can even get study credit that you can put towards a full degree.

UNDERGRADUATE DEGREES

Your tertiary learning and career starts with undergraduate study.

Explore our 200+ world-class degrees
⊘ *unisa.edu.au/study*

Learn more about how to apply
⊘ *unisa.edu.au/apply*

CONTENTS

Note: Published Selection Rank scores are indicative of February 2021 cut-offs.

ATAR > DEGREE FINDER

Go online and check out our new ATAR > DEGREE FINDER to explore the degrees you may be eligible for using your Selection Rank.

⊘ **unisa.edu.au/atar-degree-finder**

YOUR FUTURE IN IT

Did you know that UniSA offers a broad IT degree, as well as a range of IT degrees each with a unique specialisation? You can choose to explore the wider world of IT and tailor your studies through your course selections or focus on specialisation areas like:

Games and Entertainment Design

Mobile Application Development

Networking and Cybersecurity

Software Development

At UniSA, your options in IT are limitless.

Bachelor of Information Technology

unisa.edu.au/IT

⊙ Mawson Lakes Campus			
▢ On-campus/online		🗓 Intakes: Feb and Jul	
⏱ 3 years full-time		⚲ Real-world projects	

SATAC code	434041	Program code	LBCP
Selection Rank:		VET:	
cut-off 2021	60.75	guaranteed entry	Dip
guaranteed entry	70.00		

⊘ *Part-time study available*   ⊘ *Honours available*

UniSA College pathways: Foundation Studies or Diploma in Information Technology
SAIBT pathways: Diploma of Technology
Prerequisites: none
Assumed knowledge: none

Choose two IT minors from areas like 3D Animation, Games, 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, 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 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 may be offered a six-month paid internship with DXC, connecting directly with industry. Graduate with a degree accredited by the Australian Computer Society. You also have the flexibility to transfer into one of our unique IT specialisations 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

Software developer · networking analyst · web developer · IT consultant · database developer · IT manager · systems analyst · computer programmer · user interface developer · business analyst · system administrator · IT solution specialist · user interface designer · social media consultant · asset creator

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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		THIRD YEAR	
Information Technology Fundamentals Problem Solving and Programming Network Fundamentals Design Thinking Studio		Security Principles Big Data Basics Minor Course Minor Course	
Object Oriented Programming Data Driven Web Technologies System Requirements and User Experience System Requirements Studio		Elective Minor Course Minor Course ICT Capstone Project	

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

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.

To explore all cross-disciplinary minors, visit unisa.edu.au/msm

LOOKING FOR ALTERNATIVE ENTRY?

Preference a packaged Diploma in Information Technology/Bachelor of Information Technology.

⊘ *unisa.edu.au/college*

SATAC code: 426061

Bachelor of Information Technology (Games and Entertainment Design)

unisa.edu.au/IT

⊙ Mawson Lakes Campus			
💻 On-campus/online		📅 Intakes: Feb and Jul	
🕑 3 years full-time		👤 Real-world projects	

SATAC code	434881	Program code	LBCP
Selection Rank:		VET:	
cut-off 2021	60.60	guaranteed entry	Dip
guaranteed entry	70.00		

✓ *Part-time study available*   ✓ *Honours available*

UniSA College pathways: *Foundation Studies or Diploma in Information Technology*
SAIBT pathways: *Diploma of Technology*
Prerequisites: *none*
Assumed knowledge: *none*

Learn to develop new applications for the gaming industry and beyond. Apply technical skills and creativity to develop gamified productions, software and interfaces that can be used for training and education programs across a range of sectors. 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. 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. Benefit from the flexibility to 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

Games designer · Android and iOS developer · mobile games developer · video game designer · video game system designer · game programmer · web developer · multimedia specialist · simulation designer

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

FIRST YEAR		THIRD YEAR	
Information Technology Fundamentals		Security Principles	
Problem Solving and Programming		Android Games Development	
Network Fundamentals		Design Patterns with C++	
Design Thinking Studio		Operating Systems and Tool Chains	
Object Oriented Programming			
Data Driven Web Technologies		Elective	
System Requirements and User Experience		Small Business for Professionals	
System Requirements Studio		Game Engines	
		ICT Capstone Project	
SECOND YEAR			
Software Design and Implementation			
System Design Studio			
Game Asset Design			
Data Structures Essentials			
Agile Development and Governance			
Project Studio			
Game Design			
Big Data Basics			

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		📅 Intakes: Feb and Jul	
🕑 3 years full-time		👤 Real-world projects	

SATAC code	434091	Program code	LBCP
Selection Rank:		VET:	
cut-off 2021	60.00	guaranteed entry	Dip
guaranteed entry	70.00		

✓ *Part-time study available*   ✓ *Honours available*

UniSA College pathways: *Foundation Studies or Diploma in Information Technology*
SAIBT pathways: *Diploma of Technology*
Prerequisites: *none*
Assumed knowledge: *none*

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. Benefit from the flexibility to 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 · iOS/Android developer · mobile games developer

YOU MIGHT ALSO LIKE

· Bachelor of Information Technology (Games and Entertainment Design)
· 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

FIRST YEAR		THIRD YEAR	
Information Technology Fundamentals		Security Principles	
Problem Solving and Programming		Small Business for Professionals	
Network Fundamentals		Design Patterns with C++	
Design Thinking Studio		Android Games Development	
Object Oriented Programming			
Data Driven Web Technologies		Elective	
System Requirements and User Experience		Big Data Basics	
System Requirements Studio		Cloud and Concurrent Programming	
		ICT Capstone Project	
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			
IOS Enterprise Development			

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		📅 Intakes: Feb and Jul	
🕑 3 years full-time		👤 Real-world projects	

SATAC code	434891	Program code	LBCP
Selection Rank:		VET:	
cut-off 2021	60.30	guaranteed entry	Dip
guaranteed entry	70.00		

✓ *Part-time study available*   ✓ *Honours available*

UniSA College pathways: *Foundation Studies or Diploma in Information Technology*
SAIBT pathways: *Diploma of Technology*
Prerequisites: *none*
Assumed knowledge: *none*

Develop the skills to support a network roll-out and infrastructure maintenance, as well as knowledge in networking topologies, routers and firewalls. Learn about the security of information in contemporary IT systems and navigate the current climate of escalating cyber-attacks. Study core courses that will give you a solid foundation in IT, systems analysis, networking, and database and programming fundamentals. You will then complete specialist courses, focusing on digital forensics, cloud storage, information security management and network security. The core networking courses will also prepare you to sit industry certification exams in CISCO, CCNA and CCNP. 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. Benefit from the flexibility to 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

Cybersecurity analyst · network administrator · network engineer · cybersecurity consultant · cybersecurity governance manager · policy adviser · IT service delivery manager · intelligence officer · system administrator · virtualisation engineer

YOU MIGHT ALSO LIKE

· Bachelor of Information Technology (Software Development)
· Bachelor of Business (Information Strategy and Management)

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		THIRD YEAR	
Information Technology Fundamentals		Network Security	
Problem Solving and Programming		Systems Administration	
Network Fundamentals		CCNP Enterprise Services	
Design Thinking Studio		Cloud, Virtualisation and Storage	
Object Oriented Programming			
Data Driven Web Technologies		Elective	
System Requirements and User Experience		Big Data Basics	
System Requirements Studio		Digital Forensics Essentials	
		ICT Capstone Project	
SECOND YEAR			
Software Design and Implementation			
System Design Studio			
Network Architecture			
Security Principles			
Agile Development and Governance			
Project Studio			
Business Resilience			
CCNP Enterprise Core			

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		📅 Intakes: Feb and Jul	
🕑 3 years full-time		👤 Real-world projects	

SATAC code	434871	Program code	LBCP
Selection Rank:		VET:	
cut-off 2021	63.30	guaranteed entry	Dip
guaranteed entry	70.00		

✓ *Part-time study available*   ✓ *Honours available*

UniSA College pathways: *Foundation Studies or Diploma in Information Technology*
SAIBT pathways: *Diploma of Technology*
Prerequisites: *none*
Assumed knowledge: *none*

Enter the world of software development and programming. Become an expert in the design, implementation and testing of small and large software systems. Study core courses that will give you a solid foundation in IT, systems analysis, networking, and database and programming fundamentals. You will then learn to program in a variety of languages, including HTML, C++, .NET, and in cloud-based applications. 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. Benefit from the flexibility to 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

Software developer · web developer · iOS developer · app developer · programmer · front/back-end developer · systems analyst · agile developer · full stack developer
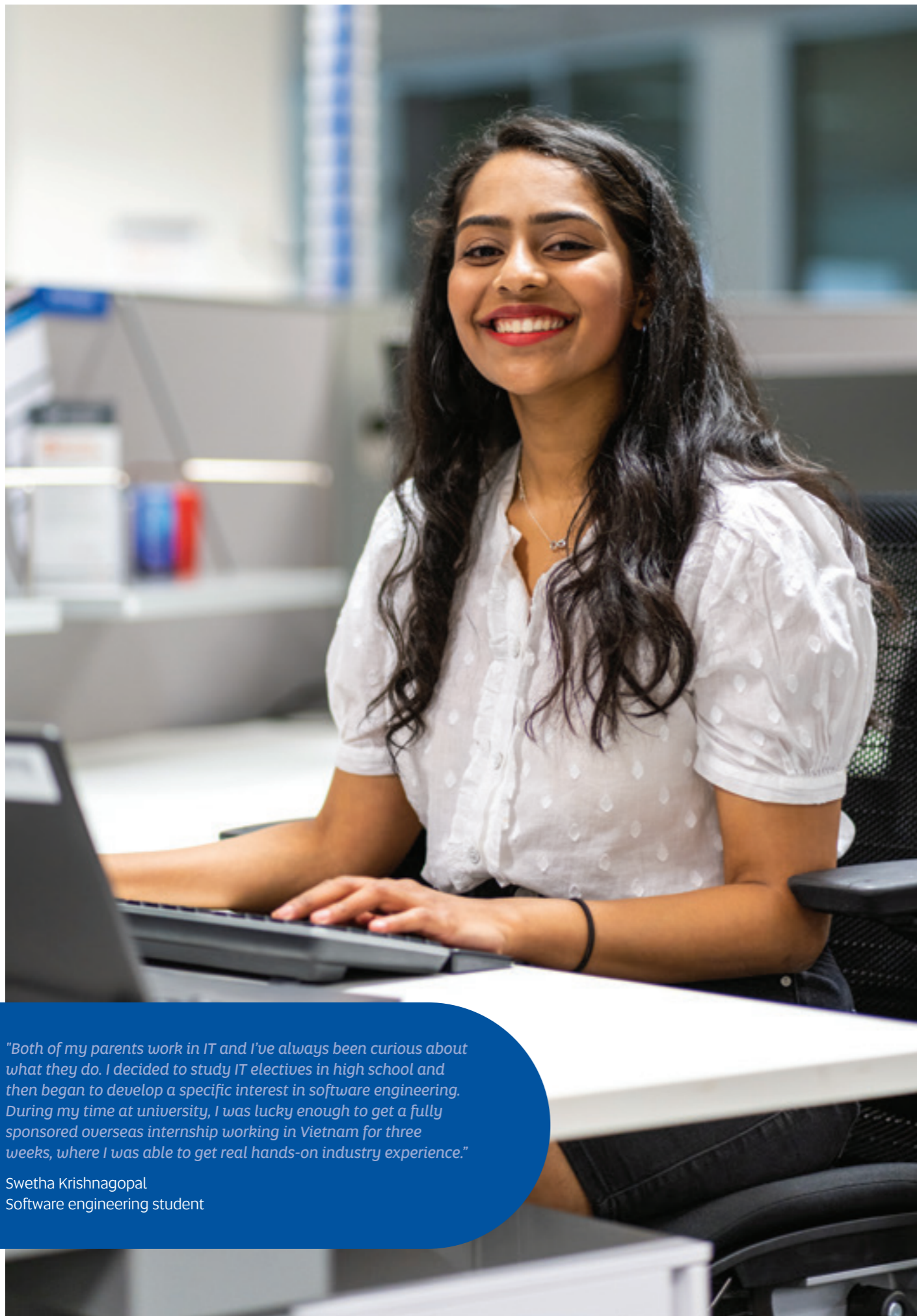
YOU MIGHT ALSO LIKE

· 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

DEGREE STRUCTURE

FIRST YEAR		THIRD YEAR	
Information Technology Fundamentals		Security Principles	
Problem Solving and Programming		Big Data Basics	
Network Fundamentals		Design Patterns with C++	
Design Thinking Studio		Database for the Enterprise	
Object Oriented Programming			
Data Driven Web Technologies		Elective	
System Requirements and User Experience		Cloud and Concurrent Programming	
System Requirements Studio		AI and Machine Learning	
		ICT Capstone Project	
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			
IOS Enterprise Development			

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		
💻	On-campus/online	📅	Intakes: Feb and Jul
⏱	4 years full-time	👤	Real-world projects

SATAC code	434211	Program code	LHSG
Selection Rank:		VET:	
cut-off 2021	70.95	guaranteed entry	Dip in IT
guaranteed entry	75.00		

⊘ *Part-time study available*

UniSA College pathways: *Foundation Studies or Diploma in Information Technology*
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.

Note: This program shares common first-year courses with our IT degrees (Program code: LBCP), so students have the option to transfer and receive study credit for successfully completed courses.

CAREERS

Software engineer · test manager · software developer · iOS developer · programmer · software architect · IT project lead · agile developer

YOU MIGHT ALSO LIKE

- Bachelor of Information Technology
- Bachelor of Information Technology (Software Development)
- 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		THIRD YEAR
	Information Technology Fundamentals		Security Principles
	Problem Solving and Programming		Big Data Basics
	Network Fundamentals		Design Patterns with C++
	Design Thinking Studio		Computer Science
	Object Oriented Programming		Secure Software Development
	Data Driven Web Technologies		Research Directions in ICT
	System Requirements and User Experience		Cloud and Concurrent Programming
	System Requirements Studio		AI and Machine Learning
SECOND YEAR	Software Design and Implementation	FOURTH YEAR	IT Project 1
	System Design Studio		System Architecture
	Operating Systems and Tool Chains		Software Engineer Elective 1
	Data Structures Essentials		Database for the Enterprise
	Agile Development and Governance		IT Project 2
	Project Studio		Software Engineer Elective 2
	Web Technology		Software Engineer Elective 3
	Data Structures Advanced		

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 (Honours)

unisa.edu.au/IT

📍	Mawson Lakes Campus		
💻	On-campus	📅	Intakes: Feb and Jul
⏱	1 year full-time	👤	Research project

SATAC code	4BH006	Program code	LHCP
Selection Rank:		VET:	
cut-off 2021	n/a	guaranteed entry	n/a
guaranteed entry	n/a		

⊘ *Part-time study available*

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.

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

"Both of my parents work in IT and I've always been curious about what they do. I decided to study IT electives in high school and then began to develop a specific interest in software engineering. During my time at university, I was lucky enough to get a fully sponsored overseas internship working in Vietnam for three weeks, where I was able to get real hands-on industry experience."

Swetha Krishnagopal
Software engineering student

Bachelor of Information Technology

unisaonline.edu.au/IT

NEW

⚡ 100% ONLINE	🕐 3 years full-time
💻 UniSA Online	📅 Intakes: Jan, Apr, Jun, Sept

Program code	**XBIT**

✓ *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 IT degree designed specifically for flexible learning. Develop a broad understanding of fundamental IT concepts and programming languages. Learn how information systems and business intelligence can enhance business operations and drive decision making. Evaluate the impact of contemporary cybersecurity threats within an organisational context. Discover common Agile principles and methodologies, including the Scrum process. And, learn to embed design thinking and principles to enhance your problem-solving skills and find creative solutions. 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

Software developer · networking analyst · web developer · IT consultant · database developer · IT manager · systems analyst · cybersecurity analyst · computer programmer · user interface developer

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		THIRD YEAR
	Information Technology Fundamentals		Security Principles
	Design Thinking and Digital Innovation		Strategic Management
	Problem Solving and Programming		Big Data Basics
	Elective 1 OR Critical Approaches to Online Learning		Business Resilience
	Data Driven Web Technologies		STEM Project 1
	System Requirements and User Experience		Elective 3
	Object Orientated Programming		STEM Project 2
	System Requirement Practice		Elective 4
	SECOND YEAR		
	System Design and Realisation		
	Business Intelligence		
	System Design Practice		
	Network Fundamentals		
	Enterprise Systems		
	Elective 2		
	Agile Development and Governance		
	Cloud Platforms		

Bachelor of Data Analytics

unisaonline.edu.au/data-analytics

NEW

⚡ 100% ONLINE	🕐 3 years full-time
💻 UniSA Online	📅 Intakes: Jan, Apr, Jun, Sept

Program code	**XBDA**

✓ *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 data analytics designed specifically for flexible learning. Develop the skills to transform big data into meaningful insights. Explore the data analytics solution lifecycle, including how data is explored, pre-processed, modelled, tested and validated. Deep dive into emerging topics like cloud computing, machine learning, artificial intelligence, and text and social analytics. Perform predictive analytics on big data sets and become fluent in R and Python. Learn to use data visualisation tools as well as programs and techniques for data acquisition and data cleaning. Download data analytics software and tools used by industry professionals for free. 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 analyst · data scientist · business data strategist · data engineer · data architect · data visualisation specialist · reporting 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		THIRD YEAR
	Professional Practice in Data Analytics		Experimental Design
	Information Technology Fundamentals		Big Data in the Cloud
	Mathematical Methods for Data Analytics 1		Text and Social Media Analytics
	Problem Solving and Programming		Elective 2
	Statistics Using R		STEM Project 1
	Data Driven Web Technologies		Machine Learning
	Object Orientated Programming		STEM Project 2
	Elective 1 OR Critical Approaches to Online Learning		Advanced Topics in Data Analytics
	SECOND YEAR		
	Mathematical Methods for Data Analytics 2		
	Data Acquisition and Wrangling		
	Cloud Platforms		
	Applied Data Structures		
	Database for the Enterprise		
	System Requirements and User Experience		
	Data Visualisation		
	Predictive Analytics		

Bachelor of Mathematics (Data Science)

unisa.edu.au/mathematics

📍 Mawson Lakes Campus	
📖 On-campus/online	📅 Intakes: Feb and Jul
🕐 3 years full-time	👤 Real-world projects

SATAC code	434171	Program code	LBMH
Selection Rank:		VET:	
cut-off 2021	**70.00**	guaranteed entry	Dip
guaranteed entry	**75.00**		

✓ *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

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 maths project or as part of the Maths Clinic program and work on a real-world challenge to 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: 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

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)

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		THIRD YEAR
	Calculus 1		Linear Programming and Networks
	Statistical Methods		Predictive and Descriptive Analytics
	Problem Solving and Programming		Visualisation for Data Science
	Information Technology Fundamentals		Mathematics Clinic 1 OR Elective
	Calculus 2		Business Intelligence and Analytics
	Linear Algebra		Text and Social Media Analytics
	Object Oriented Programming		Mathematical Sciences Project OR Advanced Mathematics Clinic Elective
	Data Driven Web Technologies		
	SECOND YEAR		
	Applied Probability		
	Data Structures Essentials		
	Big Data Basics		
	Discrete Mathematics		
	Mathematical Communication		
	Mathematical Modelling		
	Data Analytics using R		
	Analytics for Decision Making		

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

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

✓ *unisa.edu.au/become-a-teacher*
SATAC code: 434221

"If you like maths and IT then a degree in data science is for you. I've really enjoyed expanding my knowledge in areas like coding and programming, along with building my mathematical knowledge. Data science continues to evolve as one of the most in-demand career paths, with lots of companies looking to extract more detailed insights from their data."

Alexandra Reade
Data science student

Bachelor of Mathematics (Industrial and Applied Mathematics)

unisa.edu.au/mathematics

📍	Mawson Lakes Campus		
📖	On-campus/online	📅	Intakes: Feb and Jul
⏱	3 years full-time	👤	Real-world projects

SATAC code	434161	Program code	LBMH
Selection Rank:		VET:	
cut-off 2021	**70.00**	guaranteed entry	**Dip**
guaranteed entry	**75.00**		

⊘ *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) (Flexible Entry)
· 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
	Geometry
SECOND YEAR	Applied Probability
	Linear Programming and Networks
	Mathematical Methods for Engineers 3 OR Elective
	Multivariable Calculus
	Mathematical Communication
	Mathematical Modelling
	Elective
	Differential Equations 1
THIRD YEAR	Mathematics Clinic 1 OR Elective
	Topics in Mathematics 1
	Fundamentals of Real Analysis
	Elective
	Advanced Mathematics Clinic OR Mathematical Sciences Project
	Topics in Mathematics 2
	Optimisation
	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

Package this program with the Master of Teaching (Secondary) to become a maths teacher.
⊘ *unisa.edu.au/become-a-teacher*
SATAC code: 434181

Bachelor of Science

unisa.edu.au/science

📍	Mawson Lakes Campus		
📖	On-campus	📅	Intakes: Feb and Jul
⏱	3 years full-time	👤	Real-world projects

SATAC code	434201	Program code	LBSC
Selection Rank:		VET:	
cut-off 2021	**61.00**	guaranteed entry	**Dip**
guaranteed entry	**70.00**		

⊘ *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, SACE 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.
Assumed knowledge: SACE Stage 2 Physics and Mathematical Methods for the Applied Physics major; SACE Stage 2 Chemistry for the Biology and Chemistry majors and SACE Stage 2 Mathematical Methods for the Mathematics major.

Choose two majors from Applied Physics, Biology, Chemistry, Ecosystem Sciences, Geoscience and Biogeochemistry, Geographical Information Systems 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, Geoscience and Biogeochemistry, Geographical Information Systems, or Mathematics. Gain practical experience through laboratory and field work. 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 the University after enrolment.

CAREERS

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

Research laboratories · medical and pharmaceutical industries · manufacturing · environmental management · food development · geographic 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

APPLIED PHYSICS MAJOR
Applied Physics 1
Applied Physics 2
Physics of Materials and Technology
Computational Science 1
Applied Physics 4
Modern Physics
Computational Science 2
Plus one of the following three courses:
Optical Communications
Lasers and Optics
Applied Science Project

BIOLOGY MAJOR
Biology A
Biology B
Life on Earth A
Life on Earth B
Human Ecology and Global Change
Global Change and Human Health
Research Elective Project
Biology Group 2 Course

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
Environment: A Human Perspective
Biodiversity for the Environment
Sustainable Ecosystems
Ecology
Environmental Interpretation and Community Engagement
Environmental Conflict and Public Consultation
Restoration Ecology
Park and Ecotourism Management

GEOGRAPHICAL INFORMATION SYSTEMS MAJOR
Introduction to Surveying and Spatial Sciences
Spatial Data Acquisition and Analysis
Environmental Remote Sensing
Surveying 1
Web Cartography
Surveying 2
Environmental and Geospatial Field Project

GEOSCIENCE AND BIOGEOCHEMISTRY MAJOR
Earth Systems
Environmental Chemistry
Engineering and Environmental Geology
Soils in the Australian Landscape
Environmental Microbiology
Earth and Landscape Evolution
Environmental Pollution and Monitoring
AND choose one of the two following courses:
Water and Wastewater Treatment
Water Quality Modelling

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.
⊘ *unisa.edu.au/college*
SATAC code: 426064

PACKAGE THIS PROGRAM

Package this program with the Master of Teaching (Secondary) to become a science teacher.
⊘ *unisa.edu.au/become-a-teacher*
SATAC code: 434101

Bachelor of Environmental Science

unisa.edu.au/enviro

◉	Mawson Lakes Campus		
▭	On-campus	🗓	Intakes: Feb and Jul
◷	3 years full-time	👤	Real-world projects

SATAC code	434921	Program code	LBVT
Selection Rank:		VET:	
cut-off 2021	61.50	guaranteed entry	Dip
guaranteed entry	70.00		

✓ *Part-time study available*   ✓ *Honours available*

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 Environmental Quality and Earth Science. 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)

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

ECOLOGY AND CONSERVATION MAJOR

THIRD YEAR	Environmental Conflict and Public Consultation Elective Restoration Ecology Park and Ecotourism Management
	Ecosystem Monitoring Elective Environmental and Geospatial Field Project

SECOND YEAR (SEMESTER 2)	ENVIRONMENTAL QUALITY AND EARTH SCIENCE MAJOR Web Cartography Environmental Policy and Regulations Soils in the Australian Landscape Environmental Microbiology
THIRD YEAR	Environmental Conflict and Public Consultation Elective Earth and Landscape Evolution Environmental Pollution and Monitoring
	Ecosystem Monitoring Elective Environmental and Geospatial Field Project

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LOOKING FOR ALTERNATIVE ENTRY?

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

◉ *unisa.edu.au/college*
SATAC code: 426062

"Going on holidays to the Flinders Ranges and doing lots of sightseeing across Australia and New Zealand really got me interested in studying environmental science. I've enjoyed learning about ecology, geology and soils, looking at things like species identification, rock characteristics and different soil layers."

Joel Schiller
Environmental science student

Bachelor of Outdoor and Environmental Leadership

unisa.edu.au/enviro

◉	City East Campus		
▭	On-campus	🗓	Intakes: Feb
◷	3 years full-time	👤	Placement

SATAC code	414503	Program code	IBOE
Selection Rank:		VET:	
cut-off 2021	72.10	guaranteed entry	Dip
guaranteed entry	80.00		

✓ *Part-time study available*   ✓ *Honours available*

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	Coastal Environments Elective 1 Environmental Interpretation and Community Engagement Life on Earth A
	Life on Earth B Outdoor, Wilderness and Adventure Education Leadership in Terrestrial Environments Elective 2
THIRD YEAR	Leadership in Aquatic Environments Park and Wilderness Management 2 x Electives
	Professional Practice in Outdoor Leadership Leadership in Recreation and Sport 2 x Electives

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Bachelor of Applied Science (Honours) (Industrial and Applied Mathematics)

unisa.edu.au/mathematics

◉	Mawson Lakes Campus		
▭	On-campus/online	🗓	Intakes: Feb and Jul
◷	1 year full-time	👤	Research project

SATAC code	4BH005	Program code	LHMS
Selection Rank:		VET:	
cut-off 2021	n/a	guaranteed entry	n/a
guaranteed entry	n/a		

✓ *Part-time study available*

Prerequisites: none
Assumed knowledge: none

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

FIRST YEAR	Honours Topics in Mathematics and Statistics Research Methods Honours Mathematics and Statistics Project 1
	Elective 1 Elective 2 Honours Mathematics and Statistics Project 2

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 (Honours)

unisa.edu.au/science

⊙	Mawson Lakes Campus		
▭	On-campus	▦	Intakes: Feb and Jul
⊙	1 year full-time	👤	Research project

SATAC code	4BH009	Program code	LHSC
Selection Rank:		VET:	
cut-off 2021	n/a	guaranteed entry	n/a
guaranteed entry	n/a		

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

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.

Explore our full range of postgraduate degrees
⊘ *unisa.edu.au/study*

Learn more about our research degrees
⊘ *unisa.edu.au/researchdegrees*

CONTENTS

Master of Cybersecurity

unisa.edu.au/IT

⊙	Mawson Lakes Campus	▦	Intakes: Feb and Jul
▭	On-campus	👤	Real-world projects
⊙	2 years full-time	💲	Commonwealth supported*

SATAC code	4CM207	Program code	LMCY

⊘ *Part-time study available*   **see page 32 for more information*

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 Governance
	Security Consultancy Network Security Operating Systems and Application Security Web and Cloud Security
SECOND YEAR	Digital Forensics Essentials Industrial Internet Security Enterprise Security Cybersecurity Risk and Compliance
	Security Architecture Capstone Professional Project

Master of Data Science

Nested with:
- Graduate Certificate in Data Science
- Graduate Diploma in Data Science

unisa.edu.au/IT

⊙	Mawson Lakes Campus	▦	Intakes: Feb and Jul
▭	On-campus/online	👤	Real-world projects
⊙	2 years full-time	💲	A$30,000 pa* *indicative 2021*

SATAC code	4CM128	Program code	LMDS

⊘ *Part-time study available*   **see page 32 for more information*

Enter the revolutionary field of big data where there is a growing demand for qualified data scientists. Learn how to find patterns, make meaning and draw value from large data sets, which can be applied across a wide range of industries and business environments. Build strong foundational skills in data and statistics such as data analytics, big data basics, statistical programming, and relational databases and warehouses. Learn to analyse and visualise rich data sources, spot data trends and generate data management strategies. Benefit from coursework designed in consultation with industry, including with the Institute of Analytics Professionals of Australia and the leader in analytics software and solutions — SAS. Complete a professional project in your final year, gaining practical experience in modern data techniques and practices. Take advantage of flexible learning options, including part-time and online study.

CAREERS

Data scientist · big data visualiser · business intelligence analyst · information security analyst · social media analyst · customer insights analyst · data analyst · data engineer · research analyst

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)

DEGREE STRUCTURE

FIRST YEAR	Big Data Basics Statistical Programming for Data Science 2 x Directed Elective
	Predictive Analytics Unsupervised Methods in Analytics Research Methods Data Visualisation
SECOND YEAR	Social Media Data Analytics Customer Analytics in Large Organisations Data Science Professional Development
	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.

Master of Information Technology (Enterprise Management)

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

unisa.edu.au/IT

📍	Mawson Lakes and City West Campus	📅	Intakes: Feb and Jul
💻	On-campus/online	👤	Real-world projects
⏰	2 years full-time	💲	A$27,100 pa* *indicative 2021*

SATAC code	**4CM133**
Program code	**LMIG**

✓ *Part-time study available*   *see page 32 for more information*

Discover the latest trends and developments in information technology, coupled with contemporary business management practices. Designed for IT and other professionals, this program focuses on strategic stakeholder engagement, business intelligence and the management of complex information systems in global business settings. Study a range of theoretical courses covering universal IT practices, including areas like information systems, organisational transformation and business modelling, information governance, and project management. Tailor your studies through elective courses covering topics such as data and web mining, security operations, network infrastructure, commercial law, global business, marketing, accounting and people management. Complete a major project where you will work on a real-world issue or challenge within a structured team, applying modern IT and management techniques. Graduate with a qualification accredited by the Australian Computer Society. Benefit from flexible learning options, including part-time and online study.

CAREERS

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

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
SECOND YEAR	Security Principles Business Process Modelling IT Stakeholder Engagement Elective 2
	Enterprise Architecture Information Governance Capstone IT Project OR 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.

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
- Graduate Diploma in Information Management (Archives and Records Management)
- Graduate Diploma in Information Management (Library and Information Management)

unisa.edu.au/infomanagement

📍	City West Campus	📅	Intakes: Jan, Mar, Jun, Sept
💻	On-campus/online	👤	Placement
⏰	2 years full-time	💲	Commonwealth supported*

	Archives and Records Management	Library and Information Management
SATAC code	**4CM135**	**4CM134**
Program code	**DMIL**	**DMIL**

✓ *Part-time study available*   *see page 32 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 needed 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 two-week placement within a library setting. You will also benefit from a curriculum developed in collaboration with the State Records of South Australia. In final year, you can 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.*

DEGREE STRUCTURE

	INDICATIVE OF LIBRARY AND INFORMATION MANAGEMENT PROGRAM		RESEARCH PROJECT
FIRST YEAR	Information Management Professional Practice Technological Foundations Information Management Foundations Managing Collections Information Resources and Services Organising Resources Information Management Experience Reports Information Management Project	**SECOND YEAR**	Research Methods Elective 1 Elective 2 IT Masters Research Project Select three of the courses not already successfully completed: Digital Literacy Reading and Readers' Advisory Metadata Information Advocacy
	Select one of the following four courses: Digital Literacy Reading and Readers' Advisory Metadata Information Advocacy	**SECOND YEAR**	**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.

Master of Environmental Science

Nested with:
- Graduate Certificate in Environmental Science
- Graduate Diploma in Environmental Science

unisa.edu.au/enviro

📍	Mawson Lakes Campus	📅	Intakes: Feb and Jul
💻	On-campus	👤	Research project
⏰	2 years full-time	💲	A$32,000 pa* *indicative 2021*

	2 years	1 year with Advanced Standing
SATAC code	**4CM163**	**4CM200**
Program code	**LMEV**	**LMEV**

✓ *Part-time study available*   *see page 32 for more information*

Develop advanced and integrated knowledge in sustainability, natural resources and geospatial sciences. Designed for environmental scientists and managers, this qualification will help further your expertise in natural and water resources management. Explore the theory and practice of managing and sustaining our natural and built environment through core courses and advanced electives. Build your understanding of managing resources within a sustainability framework, applying systems thinking, spatial data management and analysis, and complex project management. Complete a major industry research project, focusing on a real-world issue or challenge. Engage with world-class researchers, including from the multi-million dollar Future Industries Institute on campus, to undertake a research project focusing on water resources, ecology, soil sciences or environmental management.

CAREERS

Natural resource manager · environmental manager · environmental management consultant · environmental planner · sustainability adviser · environmental policy adviser · environmental scientist · project manager · researcher

Entry requirements
- *Bachelor degree, graduate certificate or graduate diploma in a relevant discipline (typically including science, engineering, environmental studies or environmental management) from a recognised higher education institution, or equivalent qualification.*
- *Applicants with an environmental background may be eligible for Advanced Standing and can complete the program in one year of full-time study, or equivalent part-time study.*
- *Applicants with qualifications in other disciplines are encouraged to apply and will be assessed on a case-by-case basis.*

YOU MIGHT ALSO LIKE
- Master of Engineering — *civil specialisations*
- Master of Surveying

DEGREE STRUCTURE

FIRST YEAR	Arid Land Environments Valuing the Environment Elective 1 Elective 2
	Community Partnerships Natural Resource Management Environmental Planning, Climate Change and Sustainability Elective 3
SECOND YEAR	Masters Research Theory and Practice Engineering and Environmental Masters Design Project Elective 4
	Masters Research Project Elective 5 Elective 6

Masters by Research Doctor of Philosophy (PhD)

unisa.edu.au/researchdegrees

Our research degrees are designed to give you expertise and help make a difference to society. You will help to solve real-world problems, partner with end-users of research, and develop skills for research excellence with career relevance.

We offer a wide range of research projects across a variety of research areas that are developed by teams of world-class researchers who will supervise you during your studies.

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.

TOPICS OF RESEARCH
- 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
A research degree is suitable for someone who has completed a previous degree, normally with a research component. At UniSA, all research degree applications are made to a specific project as listed on our research projects page. Most projects will have additional, project-specific selection criteria. It is also possible to develop your own research project by negotiation. Please contact the Graduate Research Admissions team if you have any questions.

Masters by Research
- *Bachelor degree (or equivalent) of at least three years in a relevant discipline with a minimum credit average; or*
- *Honours degree or bachelor degree with honours; or*
- *An appropriate masters degree (or equivalent).*

Doctor of Philosophy (PhD)
- *Honours degree or bachelor degree with honours of at least class 2a standard in an appropriate discipline; or*
- *An appropriate masters degree (or equivalent).*

Alternative entry
- *Other applicants may be considered for admission if their previous education, professional experience and published research work is of sufficient quality and relevance to prepare the applicant for a research degree.*

research.degrees@unisa.edu.au

STUDY A PROJECT-BASED RESEARCH DEGREE

Apply for a research degree and choose from one of our many research projects, including some with financial support.

⊕ **unisa.edu.au/research-projects**

YOUR STUDENT EXPERIENCE

ORIENTATION is the start of your journey at university. Explore your campus, meet new people, connect with teaching staff, get study advice and enjoy different activities.

CAMPUS CENTRAL teams are there to help you with everything from ID cards, to enrolment, fees, student services and any questions you have about your studies.

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 clinics located on campus.

USASA is your student association and voice at university. They also organise social activities, coordinate 100+ student clubs and publish our award-winning student magazine.

CAREER SERVICES will help you prepare for your future career. Connect with one of our expert career advisers, access the online Career Hub for the latest resources and job listings, and attend networking and industry events.

UniSA+ is a unique program that will help you get career ready by developing your practical skills in leadership, entrepreneurship, cultural understanding and self-awareness.

STUDENT LOUNGES feature open social spaces, study nooks, kitchen facilities, mobile charging stations, lockers, gaming stations and more.

UniSA SPORT has 25+ sporting clubs, including rowing, netball, gridiron, rock climbing and even esports!

24-HOUR SECURITY services are available on campus and the free SafeZone app can be downloaded through the App Store or Google Play.

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

MYCAREERMATCH
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 the degrees you may be eligible for using your Selection Rank.
unisa.edu.au/atar-degree-finder
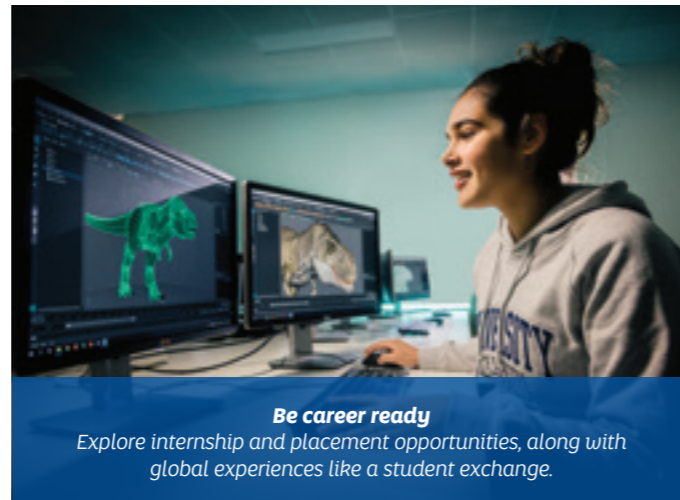
Be career ready
Explore internship and placement opportunities, along with global experiences like a student exchange.

Keep active
Join one of our teams through UniSA Sport and make new friends along the way.

Discover our heart
Pridham Hall features a graduation space, sports centre, gym and swimming pool located at City West Campus.

Get involved
Attend events and activations on campus and experience our vibrant student culture.

Keep connected
Access our range of student support services so you can perform at your best.

OPEN DAYS

**ONLINE
Launching August 2021**

Access all your study and career information, anytime from anywhere.

**ON CAMPUS
August 2021**

Visit your future campus throughout August, take a guided tour, and speak with teaching staff and current students. Register at:

unisa.edu.au/openday

2021 EVENTS AND WEBINARS

We host a series of events and webinars throughout the year so you can learn more about studying with UniSA.

CAMPUS TOURS

We offer guided campus tours during the school holidays, which you can book online.

unisa.edu.au/infosessions

STUDY AT UniSA — THE BASICS

Minimum entry requirements for undergraduate degrees

APPLYING WITH YEAR 12 RESULTS

Applicants are required to have successfully completed the South Australian Certificate of Education (SACE) with:

· A competitive Selection Rank (ATAR) including adjustment factors; and

· The fulfilment of the program's prerequisite requirements (where applicable).

Applicants may also be eligible to compete for entry if they have completed the program's prerequisite requirements and one of the following:

· An interstate or overseas qualification considered by the University as equivalent to SACE; or

· The International Baccalaureate Diploma with a minimum score of 24 points.

⊘ unisa.edu.au/Year-12

Selection by Grades

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

⊘ unisa.edu.au/selection-by-grades

ADJUSTMENT FACTORS

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.edu.au/adjustmentfactors

GUARANTEED ENTRY

UniSA offers guaranteed entry into many programs for domestic Year 12 and VET students. If your Selection Rank (ATAR including Adjustment Factors) 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're in. It's guaranteed. Please note application timelines may apply.

⊘ unisa.edu.au/guaranteed

ADMISSIONS PATHWAYS

Entering your chosen degree straight from high school is not the only pathway into UniSA. Applicants may also meet the minimum requirements to apply for entry (via competitive selection) through one of the following:

UniSA College — there are a variety of pathway options offered through UniSA College, including diplomas, Foundation Studies and the Aboriginal Pathway Program.

Special entry — a competitive Special Tertiary Admissions Test (STAT) score. A personal competencies statement or relevant employment experience alongside your STAT score may also be considered for some programs.

Vocational Education Training (VET) — applicants may be eligible for entry with the completion of an award from TAFE or another Registered Training Organisation at AQF Certificate IV or above.

Higher education diploma — completion of a relevant higher education diploma from UniSA College, SAIBT or another recognised higher education institution.

Higher education study — completion of at least half a year of full-time equivalent study at UniSA or a recognised higher education institution. You can apply using your Grade Point Average (GPA).

Alternative education providers — there are a range of alternative pathways, including bridging qualifications offered through SAIBT and Eynesbury.

Open Universities Australia (OUA) — completion of at least four OUA courses within the same degree at an undergraduate level or higher.

⊘ unisa.edu.au/pathways

SCHOLARSHIPS

We offer a wide range of scholarships and grants to support students from all walks of life. Each year, more than 2,500 students benefit from scholarships at UniSA, providing financial assistance as well as valuable work experience, mentoring opportunities and even overseas travel. Go online to check your eligibility.

⊘ unisa.edu.au/scholarships

HOW TO APPLY

Applications to most UniSA programs are administered through the South Australian Tertiary Admissions Centre (SATAC). Go to our website for all the information you need about how to apply.

⊘ unisa.edu.au/apply

For all UniSA Online degrees, you can apply directly.

⊘ unisaonline.edu.au

FEES

All domestic undergraduate students at UniSA 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 2021 are:

BAND	FIELD OF EDUCATION	STUDENT CONTRIBUTION For one year of full-time load (1 EFTSL)	STUDENT CONTRIBUTION For each subject (0.125 EFTSL)
1	Agriculture, english, mathematics, teaching, clinical psychology[4], languages and nursing.	$3,950	$493
2 (2&2A)	Architecture, IT, other health, allied health, creative arts, engineering, science, environmental studies, professional pathway psychology[4], professional pathway social work[4] and clinical psychology[4].	$7,950	$993
3	Dentistry, medicine and veterinary science.	$11,300	$1,412
4 (4A,4C,4P, 4S&4Y)	law, accounting, administration, economics, commerce, communications, society and culture, professional pathway psychology[4], professional pathway social work[4] and clinical psychology[4].	$14,500	$1,812

Some postgraduate programs are also Commonwealth-supported (or CSP), while others are full fee-paying; this is listed on applicable programs in this guide. For programs under 10 year full-time study, fees are listed as the whole program fee (indicative of 2021). For programs over 10 years full-time study, fees are listed based on the cost per annum (indicative of 2021). 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

This table should be used as a guide only. Total costs can vary depending on the courses you study and the band they fall into.

[4] Band determined by program/plan.

University of
South Australia

Australia's University of Enterprise

unisa.edu.au
Telephone: (08) 8302 2376
Make an enquiry: **unisa.edu.au/enquire**

Acknowledgement of Country

UniSA respects the Kaurna, Boandik and Bangarla peoples spiritual relationship with their country.

Artist: Ngupulya Pumani

Find out more about the University's commitment to reconciliation at **unisa.edu.au/RAP**