Flinders University

Computer Science & Information Technology

2024

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Computer Science & Information Technology

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The following pages feature undergraduate degree programs and information for domestic students, including SATAC codes, selection ranks and more. For international CRICOS codes, visit flinders.edu.au/international

Acknowledgement of Country

Flinders University acknowledges the Traditional Owners and Custodians of the lands and waters on which its campuses are located. These are the Traditional Lands of the Arrernte, Dagoman, First Nations of the South East, First Peoples of the River Murray & Mallee region, Jawoyn, Kaurna, Larrakia, Ngadjuri, Ngarrindjeri, Ramindjeri, Warumungu, Wardaman and Yolngu people. We honour their Elders past, present and emerging.

At Flinders, it's all about your global career

Choose your degree

Flinders University offers a range of future-focused degrees that will allow you to follow your interest across areas such as engineering, computer science, information technology and defence.

Choose a degree that reflects your passions and graduate with the skills and knowledge to take your place in an ever-changing world.

Be taught by leaders

Flinders' engineering, defence, computer science and information technology degrees are taught by highly-qualified academics who are active in their respective fields and have the practical skills and industry networks to ensure that you graduate more than ready for the next step in your career path.

Gain real-world experience

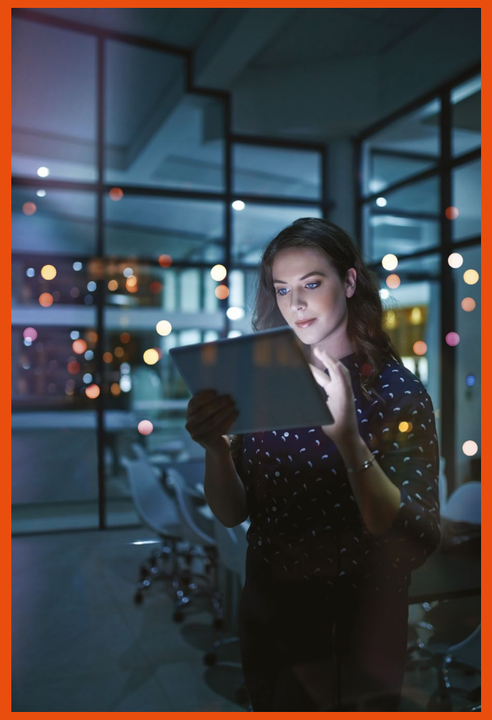
Flinders' Work Integrated Learning (WIL) enables you to gain work experience while you study. You'll have the opportunity to gain real-world experience through placements, practicums, field studies and simulated workplace settings and assessment activities. Flinders aims to provide each and every student with access to a WIL opportunity during their studies.

"Engineering is such an exciting field because it's always changing and evolving, which means that the problems we're faced with today will be completely different in a decade's time. This degree has equipped me with the skills I need for a strong start in the field I'm pursuing, in both technical and professional aspects."

An Lam
Graduate, Bachelor of Engineering (Mechanical) (Honours)/Master of Engineering (Biomedical)

APC Integration – Your Automation Solutions Partner
consilium technology
Australian Government Department of Defence
James Anthony Consulting
Digital Rain Mission
THE POWER OF REDARC
MICRO-X
NUKON
RFTEQ
SAGE Automation

Computer Science & Information Technology



Create your own career in an expanding industry

There are a wide range of careers available in computing. Flinders computing will give you the career-ready skills to work in areas such as medical research, climate change, the environment and business.

Become your own boss

Our focus on innovation and entrepreneurship could see you contribute to the creative industries or the development of new products and services. Your Flinders computing degree could help you make your own way in areas as diverse as business, commerce, defence, medical research, climate change and the environment.

Study at the cutting edge

Flinders' $120 million science and technology precinct at Tonsley features state-of-the-art facilities, including specialised collaborative computer and communications network labs. Combined with close ties to industry and incredible placement opportunities, you'll graduate career-ready with a professionally accredited degree.

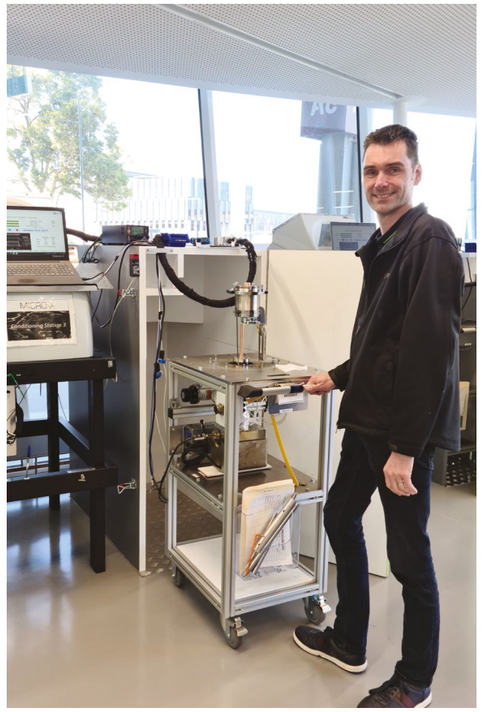
No. 1 in SA in Computing & Information Systems for overall educational experience and student support*

* The Good Universities Guide 2022 (postgraduate), public SA-founded universities only

Industry partnerships lead to careers

As an authorised Cisco Academy, Flinders, through its partnership with Cisco, allows you to undertake courses that contribute towards certification as a Cisco certified entry networking technician (CCENT) or Cisco certified networking associate (CCNA).

Real-world experience



Flinders University Work Integrated Learning

(WIL) partner Micro-X designs, develops and manufactures a range of innovative, ultra-lightweight, mobile x-ray imaging systems for medical and security applications.

Micro-X has been involved in the WIL program since early 2018. Systems Engineer Lead Chris Delnooz believes the benefits of Flinders' unique, 20-week WIL program are substantial to both the company and the students taking part.

"We have always employed new graduates; however, the WIL program allows us to assess the students' skills before hiring them. This makes for an ideal recruitment process, where both Micro-X and the student have a good idea what they are committing to when it comes to employment.

Generally, we find interesting projects that a student can take on and own from beginning to end. Students have been able to design and build prototype rigs for CT imaging and perform data collection, algorithm development, software development and electronics design.

We are committed to the development of the next generation of scientists and engineers that will contribute to our culture of innovation and pushing the limits of technology. Providing opportunities for WIL placements is part of that commitment. In addition, we have been able to retain the majority of our placement students as full-time employees after they completed their degree."

Chris Delnooz
Systems Engineer Lead, Micro-X

Bachelor of Computer Science (Honours)/Master of Science (Mathematics)

This degree provides both the theoretical paradigms and the practical skills required to design and implement computer-based systems. You will also learn mathematical concepts used to understand, model and describe the world around us to solve a wide range of both theoretical and real-world problems.

SATAC code (Tonsley)	244731
Prerequisites	Yes*
Assumed knowledge	None
2023 selection rank	95.00
Guaranteed entry selection rank	95.00
Adjustment factors	Yes

* SACE stage two mathematical methods or equivalent.

5 years full-time

Part-time available

Deferrable

- Gain skills in core computing technologies and knowledge of general computing and programming to an Honours level.
- Complete your Master of Science (Mathematics) to enhance your knowledge of computer science fundamentals.
- Fully accredited by the Australian Computer Society.

Career opportunities

Your degree could open up a range of employment opportunities, including:

- analyst programmer
- computer scientist
- graduate software developer
- information technology officer
- database administrator.

Potential employers include:

- public agencies
- private agencies
- self-employment.

Bachelor of Computer Science

Bachelor of Computer Science (Honours)

Gain the applied skills, tools and techniques to work as a professional software designer and developer. This degree will give you the practical experience required to design efficient, reliable software that meets industry standards. You'll also learn about the hardware on which software runs. You'll graduate with a comprehensive understanding of both the theoretical and practical aspects of computing technologies, prepared for a career in a computing-related field.

SATAC code (Tonsley)	214821
SATAC code (Honours) (Tonsley)	224431
SATAC code (Festival Plaza)†	284151
Prerequisites	Yes*
Assumed knowledge	None
2023 selection rank	63.00
2023 selection rank (Honours)	80.00
Guaranteed entry selection rank	70.00
Guaranteed entry selection rank (Honours)	80.00
TAFElink	Cert IV or above
TAFElink (Honours)	Dip or above
Adjustment factors	Yes

3 years full-time

Honours 4 years full-time

Part-time available

Deferrable

* SACE stage two general mathematics or equivalent.

†The University is confirming professional site accreditation for the program. This is expected to be finalised by early 2024.

- You'll gain skills in the core computing technologies and knowledge of general computing and programming.
- Develop the necessary expertise in programming and software development to prepare you for work as a professional software designer.
- Gain the theoretical knowledge and skills required for a rewarding career or further computer science research and study.
- You'll learn to work professionally as an individual or in a team.
- You can undertake a 12-week industry placement in your final year.
- This degree is accredited by the Australian Computer Society at the professional level.

Career opportunities

Your degree could open up a range of employment opportunities, including:
- analyst programmer
- computer scientist
- graduate software developer
- information technology officer
- database administrator.

Potential employers include:
- IBM
- KPMG
- Ericsson
- Australian Bureau of Statistics.

Bachelor of Computer Science (Artificial Intelligence)

Bachelor of Computer Science (Artificial Intelligence) (Honours)

Turn science fiction dreams into reality and build a career creating a world of intelligent, communicating computers and gadgets. You'll study at the leading edge of AI science and learn how artificial intelligence is integrated into areas as diverse as health, online shopping and driverless transport. You'll gain the skills to build systems that have human-like intelligence and understand human expression, emotion and body language.

SATAC code (Tonsley)	244221
SATAC code (Honours) (Tonsley)	244231
Prerequisites	Yes*
Assumed knowledge	None
2023 selection rank	63.00
2023 selection rank (Honours)	80.00
Guaranteed entry selection rank	75.00
Guaranteed entry selection rank (Honours)	85.00
TAFElink	Dip or above
TAFElink (Honours)	Adv Dip or above
Adjustment factors	Yes

3 years full-time

Honours 4 years full-time

Part-time available

Deferrable

* SACE stage two general mathematics or equivalent.

- You'll study the latest robotics technology and learn about electronics, computer control, signal processing, development and application of robots.
- Put your robotics engineering skills to the test in a range of national competitions like NI-ARC, AGVC and Maritime RobotX Challenge.
- You'll have access to purpose-built, state-of-the-art teaching and laboratory facilities and heavy engineering pods at Tonsley.
- Undertake a 20-week industry placement program of structured work experience with a local, national or international organisation.
- There are opportunities to take your studies overseas with a student exchange program.
- This degree is fully accredited by Engineers Australia at the level of professional engineer and recognised internationally under the Washington Accord.
- This course is accredited by the Australian Computer Society at the professional level and is recognised internationally under the Seoul Accord.

Career opportunities

Your degree could open up a range of employment opportunities, including:
- industrial engineer
- instrumentation engineer
- manufacturing engineer
- mechatronics specialist
- process and automation engineer scientist.

Potential employers include:
- Lockheed Martin
- Smart Automation Systems
- Monadelphous
- Simavita
- Rocket Lab
- Airservices Australia.

Bachelor of Geospatial Information Systems

In this degree, you'll be taught skills to support change and growth in areas like global warming, urban planning, mining and exploration, archaeology, transportation and biodiversity management. We integrate field-based data acquisition with modern technology, computer workshops and classroom-based theory.

SATAC code (Bedford Park)	244721
Prerequisites	None
Assumed knowledge	None
2023 selection rank	70.00
Guaranteed entry selection rank	70.00
TAFElink	Cert IV or above
Adjustment factors	Yes

3 years full-time

Part-time available

Deferrable

- Study at a university that leads Australia in implementing and teaching the latest geospatial technologies including Esri's ArcGIS Enterprise Geospatial Platform. Study a secondary area including biology, geography and environmental studies, archaeology and criminology.
- Gain practical experience and develop on-the-job use of a range of relevant digital technologies in our dedicated Spatial Information Systems Laboratory.
- Benefit from teaching and research in ground-based LIDAR and image spectrophotometers.
- Develop contacts and work skills through an industry placement in an environmental agency.
- The degree meets the international standards of geospatial science.

Career opportunities

Your degree could open up a range of employment opportunities, including:
- GIS analyst
- GIS data coordinator
- spatial information officer
- land resource information officer
- GIS and knowledge management officer.

Potential employers include:
- government departments
- regional development centres
- agriculture and horticulture centres
- not-for-profit agencies
- private companies that supply or collect spatial information.

Bachelor of Information Technology

Bachelor of Information Technology (Honours)

Gain the applied skills, tools and techniques to work as a professional software designer and developer. This degree will give you the practical experience required to design efficient, reliable software that meets industry standards. You'll also learn about the hardware on which software runs. You'll graduate with a comprehensive understanding of both the theoretical and practical aspects of computing technologies, prepared for a career in a computing-related field.

SATAC code (Tonsley)	214201
SATAC code (Honours) (Tonsley)	224441
SATAC code (Festival Plaza)*	284431
Prerequisites	None
Assumed knowledge	None
2023 selection rank	60.00
2023 selection rank (Honours)	70.00
Guaranteed entry selection rank	70.00
Guaranteed entry selection rank (Honours)	80.00
TAFElink	Cert IV or above
TAFElink (Honours)	Dip or above
Adjustment factors	Yes

3 years full-time

Honours 4 years full-time

Part-time available

Deferrable

*The University is confirming professional site accreditation for the program. This is expected to be finalised by early 2024.

- You'll be taught to analyse, design, implement and manage IT across any enterprise. You can specialise in areas such as network or website management, database administration and project management.
- Understand safe use and how to protect yourself in the digital world.
- Your learning combines technical prowess with the people-oriented skills required of IT workers.
- You'll gain real-world experience and learn how the IT workplace operates with a 12-week industry placement.
- Gain up-to-the-minute knowledge in IT from guest lecturers to complement your learning.
- This program is accredited by the Australian Computer Society at the professional level.

Career opportunities

Your degree could open up a range of employment opportunities, including:
- application support analyst
- business intelligence consultant
- graduate developer
- graduate IT consultant
- level one graduate IT help desk analyst.

Potential employers include:
- Ericsson
- Ultradata Australia
- SA Power Networks
- Boeing Defence Australia
- Australian Bureau of Statistics.

See back pages for more information on your admission pathways, opportunities to enhance your degree and how to apply.

For more information visit: flinders.edu.au/computer-science-information-technology

Bachelor of Information Technology (Machine Learning)

Bachelor of Information Technology (Machine Learning) (Honours)

The Bachelor of Information Technology (Machine Learning) produces IT professionals ready to innovate and develop the next generation of machine learning and artificial intelligence based applications. Graduates of this degree will be able to develop sophisticated solutions to complex problems using machine learning techniques and tools.

SATAC code (Tonsley)	244851
SATAC code (Festival Plaza)*	284471
SATAC code (Honours) (Tonsley)	244861
Prerequisites	None
Assumed knowledge	None
2023 selection rank	65.00
2023 selection rank (Honours)	70.00
Guaranteed entry selection rank	70.00
Guaranteed entry selection rank (Honours)	80.00
TAFElink	Cert IV or above
Adjustment factors	Yes

*The University is confirming professional site accreditation for the program. This is expected to be finalised by early 2024.

3 years full-time

Honours 4 years full-time

Part-time available

Deferrable

Online

- Work with partners to design machine learning applications that can be deployed across a wide variety of industries.
- Study a broad range of both information technology and machine learning topics.
- Engage with multidisciplinary teams from across the University in the design and construction of knowledge-based AI-driven systems.
- Gain insight into the current trends in knowledge engineering and its uses.
- Designed to be accredited by the Australian Computer Society.
- Study in our $120 million science and technology precinct at Tonsley.

Career opportunities

Your degree could open up a range of employment opportunities, including:

- machine learning app developer
- AI analyst
- consultant.

Potential employers include:

- information technology services
- educational institutions
- health industry
- defence industry
- government bodies
- private sector.

Bachelor of Information Technology (Data Analytics)

Bachelor of Information Technology (Data Analytics) (Honours)

The Bachelor of Information Technology (Data Analytics) produces accredited IT professionals ready to manage and innovate in challenging data-rich IT environments. Graduates of this degree will be able to develop systems to analyse, manage and bring insight to large quantities of complex information. They will be well placed to act as the bridge between the data and information needs of an organisation and the computing professionals required to provide the technical solutions.

SATAC code (Tonsley)	244831
SATAC code (Festival Plaza)*	284451
SATAC code (Honours) (Tonsley)	244841
Prerequisites	None
Assumed knowledge	None
2023 selection rank	65.00
2023 selection rank (Honours)	70.00
Guaranteed entry selection rank	70.00
Guaranteed entry selection rank (Honours)	80.00
TAFElink	Cert IV or above
Adjustment factors	Yes

*The University is confirming professional site accreditation for the program. This is expected to be finalised by early 2024.

3 years full-time

Honours 4 years full-time

Part-time available

Deferrable

Online

- Work with partners to design information models for a wide variety of complex, data-rich systems applicable to a wide range of industries.
- Study a broad range of both information technology and data analytics topics.
- Engage with multidisciplinary teams from across the University in the design and construction of database and knowledge-based systems.
- Gain insight into the current trends in data engineering and its uses.
- Designed to be accredited by the Australian Computer Society.
- Study in our $120 million science and technology precinct at Tonsley.

Career opportunities

Your degree could open up a range of employment opportunities, including:

- data engineer
- data analyst
- database administrator
- consultant.

Potential employers include:

- information technology services
- educational institutions
- health industry
- defence industry
- government bodies
- private sector.

See back pages for more information on your admission pathways, opportunities to enhance your degree and how to apply.

Bachelor of Information Technology (Digital Forensics)

This degree joins Flinders' other branches of forensic science to form one of the most comprehensive suites of forensic science degrees available in Australia. Graduates will cover all the knowledge that a Bachelor of Information Technology graduate would cover plus studies in Forensic Science, Digital and Computer Forensics, Forensic Criminalistics, Internet and Network Forensics, Mobile Device Forensics, Evidence Evaluation and Crime Scene Management.

SATAC code (Tonsley)	244641
SATAC code (Honours) (Tonsley)	244771
Prerequisites	None
Assumed knowledge	None
2023 selection rank	65.00
2023 selection rank (Honours)	70.00
Guaranteed entry selection rank	70.00
Guaranteed entry selection rank (Honours)	80.00
TAFElink	Cert IV or above
TAFELINK (Honours)	Dip or above
Adjustment factors	Yes

3 years full-time

Honours 4 years full-time

Part-time available

Deferrable

- Graduate with in-demand skills across industries
- Learn industry skills with Flinders University's national best-practice work experience and job placements
- Experience the world-class equipment at the Tonsley campus
- Prepare yourself for further study in science or information technology fields
- This degree is accredited by the Australian Computer Society at the professional level.

Career opportunities

Your degree could open up a range of employment opportunities, including:

- technical program manager
- intrusion researcher
- finance analyst
- digital forensic analyst
- investigator.

Potential employers include:

- government
- private security firms
- banks
- software development companies
- blockchain DeFi companies
- cybersecurity departments
- government bodies
- private sector.

Bachelor of Information Technology (Business and Information Systems)

Bachelor of Information Technology (Business and Information Systems) (Honours)

The Bachelor of Information Technology (Business and Information Systems) produces IT professionals ready to manage and innovate in any challenging business IT environment. Graduates of this degree will be well placed to act as the bridge between the business needs of an organisation and the computing professionals required to provide the technical solutions.

SATAC code (Tonsley)	244811
SATAC code (Festival Plaza)*	284441
SATAC code (Honours) (Tonsley)	244821
Prerequisites	None
Assumed knowledge	None
2023 selection rank	65.00
2023 selection rank (Honours)	70.00
Guaranteed entry selection rank	70.00
Guaranteed entry selection rank (Honours)	80.00
TAFElink	Cert IV or above
TAFElink (Honours)	Dip or above
Adjustment factors	Yes

*The University is confirming professional site accreditation for the program. This is expected to be finalised by early 2024.

3 years full-time

Honours 4 years full-time

Part-time available

Deferrable

Online

- Study both business and information technology topics.
- Design enterprise systems and work with external partners to develop business systems for a wide range of industries.
- Engage with multidisciplinary teams from across the University in the design and construction of information systems.
- Gain insight into the current trends in enterprise systems and its use.
- Designed to be accredited by the Australian Computer Society.
- Study in our $120 million science and technology precinct at Tonsley.

Career opportunities

Your degree could open up a range of employment opportunities, including:

- business analyst
- enterprise systems specialist
- operations specialist
- consultant.

Potential employers include:

- information technology services
- educational institutions
- health industry
- defence industry
- government bodies
- private sector.

For more information visit: flinders.edu.au/computer-science-information-technology

Bachelor of Information Technology (Game Development)

Bachelor of Information Technology (Game Development) (Honours)

If you love games and want to learn how to make them, this course will familiarise you with the tools and practices of game development. Alongside entertainment applications, game development is used to create experiences to aid in training, marketing or for social change.

You could develop games to enhance skill development and knowledge acquisition for critical future industries or for current needs across a range of areas from construction to defence, corporate organisations to health care, education to public policy.

SATAC code (Tonsley)	224101
SATAC code (Honours) (Tonsley)	224041
SATAC code (Festival Plaza)*	284461
Prerequisites	None
Assumed knowledge	None
2023 selection rank	65.00
2023 selection rank (Honours)	70.00
Guaranteed entry selection rank	70.00
Guaranteed entry selection rank (Honours)	80.00
TAFElink	Cert IV or above
TAFElink (Honours)	Dip or above
Adjustment factors	Yes

*The University is confirming professional site accreditation for the program. This is expected to be finalised by early 2024.

3 years full-time

Honours 4 years full-time

Part-time available

Deferrable

- Develop the skills required to produce complex interactive systems used in a wide range of training and educational scenarios. You'll gain computing skills required for the development of games, game technologies and user-centred interactive experiences. Build a portfolio of work that demonstrates your capacity for planning, development and program design.
- Undertake a major group project or a work placement.
- Learn the practical skills you'll need to design and develop complex computer-based systems.
- Study in the state-of-the-art facilities at the new $120 million science and technology precinct at Tonsley.

Career opportunities

Your degree could open up a range of employment opportunities, including:

- digital content coordinator
- Javascript developer
- game economy designer
- gameplay developer
- game programmer.

Potential employers include:

- Gamelearn
- Imagination Games
- Davidson Technology/ITCOM
- Academy of Interactive Entertainment.

Bachelor of Information Technology (Network and Cybersecurity Systems)

Bachelor of Information Technology (Network and Cybersecurity Systems) (Honours)

The demand for graduates able to design, implement, maintain and manage networked computer systems is growing rapidly. This degree will equip you with a comprehensive understanding of computer security, communications technology, administration, network engineering, enterprise systems and information networks. You'll graduate with in-demand qualifications for the technology-driven marketplace.

SATAC code (Tonsley)	224701
SATAC code (Honours) (Tonsley)	224711
SATAC code (Festival Plaza)*	284481
Prerequisites	None
Assumed knowledge	Yes*
2023 selection rank	65.00
2023 selection rank (Honours)	80.00
Guaranteed entry selection rank	70.00
Guaranteed entry selection rank (Honours)	80.00
TAFElink	Cert IV or above
TAFElink (Honours)	Dip or above
Adjustment factors	Yes

* SACE stage two mathematical methods or equivalent.

*The University is confirming professional site accreditation for the program. This is expected to be finalised by early 2024.

3 years full-time

Honours 4 years full-time

Part-time available

Deferrable

- Develop your skills in computing, IT and cybersecurity.
- Your studies will cover all cutting-edge developments in communications technology like optic fibre technology, cloud computing, and social networking and media.
- You'll learn how to design electronic communications systems that maximise safety and security.
- Learn to work professionally and in a team through group projects, or take the opportunity to gain first-hand industry experience with a 12-week industry placement.
- This degree is accredited by the Australian Computer Society at the professional level.

Career opportunities

Your degree could open up a range of employment opportunities, including:

- network engineer
- systems support officer
- cloud applications net developer
- information and IT security analyst.

Potential employers include:

- Accenture
- Plenary Networks
- Australian Federal Police
- Interactive Intelligence Group
- Department of Communications.

Undergraduate Certificate in Industry 4.0

Study 100 per cent online for 6 months and transform your career for a digital world.

The Undergraduate Certificate in Industry 4.0 exposes you to the digital technology that will drive the future. It covers key topics of innovation and Industry 4.0, 3D printing, robotics, IoT, cybersecurity, smart industries and design thinking, also including a digital transformation professional project.

SATAC code	278055
Prerequisites	None
Assumed knowledge	None
2023 selection rank	NA
Guaranteed entry selection rank	NA

6 months full-time

Part-time available

Online only

- This course exposes participants to key skills for workplaces of the future.
- It builds capabilities in innovation, industry 4.0 and digital transformation.
- Gain exposure to digital transformation and the benefits of digital technologies including 3D printing, robotics, IoT, cybersecurity and smart industries of the future.
- The course can be done 100 per cent online with an average of three hours online per week, part-time.
- It is a micro-credential that can be completed in 13 weeks (one semester) or part-time at half load over a year.
- Participants graduate with a University Certificate.
- The program also provides a pathway or credit into the Diploma of Digital Technologies and the Bachelor of Information Technology.

Career opportunities

Industry 4.0 and digital upskilling can enhance your career prospects in a range of industries such as:

- shipbuilding
- defence
- advanced manufacturing
- health technologies
- education
- renewables
- space industries.

Potential employers:

Digital upskilling is of interest to a range of employers in boosting the digital readiness and maturity of their organisations including BAE Systems Australia, SMEs, schools, the defence supply chain, manufacturers and health technology companies.

Combined degrees can enhance your job prospects

Combining your degree with a qualification in another discipline will help you develop specialised abilities to stand out from the pack. Studying a combined degree at Flinders is the key to enhancing your career opportunities. Example degree combinations:

Bachelor of Information Technology (Network and Cybersecurity Systems)/Bachelor of Criminology

SATAC code (Tonsley) 224701

This exciting combined degree brings together your studies in network and cybersecurity systems with criminology, providing a comprehensive understanding of computer security, communications technology, administration, network engineering, enterprise systems and information networks. Graduates possess high-demand qualifications for the technology-driven marketplace.

For a full list of combined degree options visit flinders.edu.au/combineddegrees

Northrop Grumman Scholarship

The Northrop Grumman Scholarship, established in 2018, recognises and supports students enrolled in the Bachelor of Computer Science (Artificial Intelligence) or the Bachelor of Computer Science (Artificial Intelligence) (Honours), awarded on the basis of academic merit and demonstrated interest in pursuing a career in computer science or defence industries. Contact the Dean of Education, for more information at CSE.deanED@flinders.edu.au, and apply for 2024.

You may also be interested in...

Flinders offers a range of degrees to capture your interest and let you chase your passions. You could take the first steps towards a rewarding career. Explore these degrees:

Bachelor of Engineering (Robotics) (Honours)

SATAC code (Tonsley) 224841

Create a career designing the robot workforce of the future. Changes to the way our workforce operates are opening up career opportunities in fields like robotics. This degree will see you graduate with the latest learning in robotics technologies, preparing you to become a key player in developing the robots that will populate our future. The degree combines electronics, computer control, signal processing and programming in the design, development and application of robots and their integration with other systems in the work environment.

Bachelor of Engineering (Software) (Honours)

SATAC code (Tonsley) 224851

SATAC code (Festival Plaza) 284331

Combine the skill of engineering with the power of computer technology. This future-oriented course enables you to choose a course of study with either an electronics or computer science focus. It provides you with a solid foundation in the technical and professional skills and knowledge required to pursue a successful career in the software industry.

Find out more more at flinders.edu.au/study

See back pages for more information on your admission pathways, opportunities to enhance your degree and how to apply.

For more information visit: flinders.edu.au/computer-science-information-technology

Starting at Flinders

One of the world's top universities, Flinders offers students a supportive, inclusive education in an unrivalled study environment.

Flinders is ranked in the top 2% of universities in the world*

* THE World University Rankings 2023 as a percentage of the total number of universities in the world according to the International Association of Universities

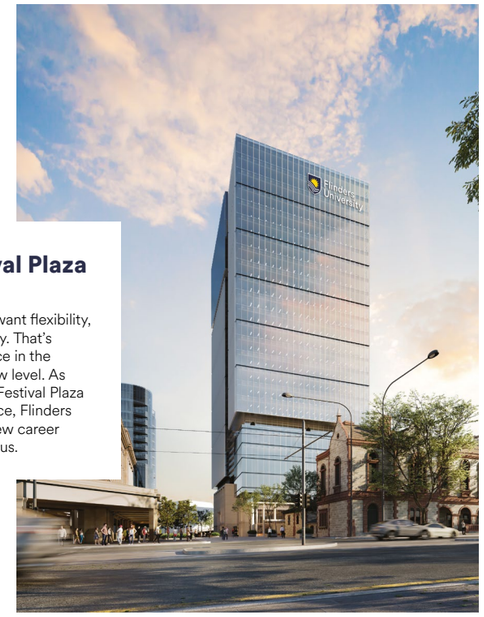
This is Flinders

Flinders' Adelaide campuses include the Bedford Park campus, featuring an award-winning hub and plaza, with retail, food outlets and a state-of-the-art sport and fitness centre.

Flinders at Tonsley houses state-of-the-art facilities and close links to industry. In 2024, our Victoria Square CBD campus will move to the stunning new Flinders at Festival Tower on North Terrace, right beside the Adelaide Railway Station.

Take a virtual tour of Flinders University and explore our amazing locations. It's the next best thing to being here!

Flinders.edu.au/vr



Flinders at Festival Plaza – opening 2024

Flinders University students want flexibility, convenience and connectivity. That's why we're taking our presence in the Adelaide CBD to a whole new level. As an anchor tenant in the new Festival Plaza development on North Terrace, Flinders will offer new courses and new career pathways in a new city campus.

Bedford Park

Flinders' huge main campus features an award-winning hub and plaza, with retail, food outlets and a state-of-the-art sport and fitness centre.

Tonsley

Flinders at Tonsley is a place where our students interact with business, and where business interacts with our researchers in areas such as engineering, medical devices and nanoscale technologies.

Getting to Flinders

Transport options

The Flinders Railway Line gets you from the CBD to Tonsley in a super-fast 20 minutes, or to Bedford Park in just 22 minutes. And with free Campus Connector and Tonsley Link bus services running 7am – 6pm Monday to Friday, getting to and from your studies is simple. You'll be able to schedule your day without worrying about missing a single lecture!

flinders.edu.au/loop-bus

Plan your trip to Flinders:

adelaidemetro.com.au/routes/flndrs

The Flinders railway line is now open

The new Flinders train line has made travel easier and more convenient than ever, linking Bedford Park to our Tonsley campus and the Adelaide city centre, now just 22 minutes away.

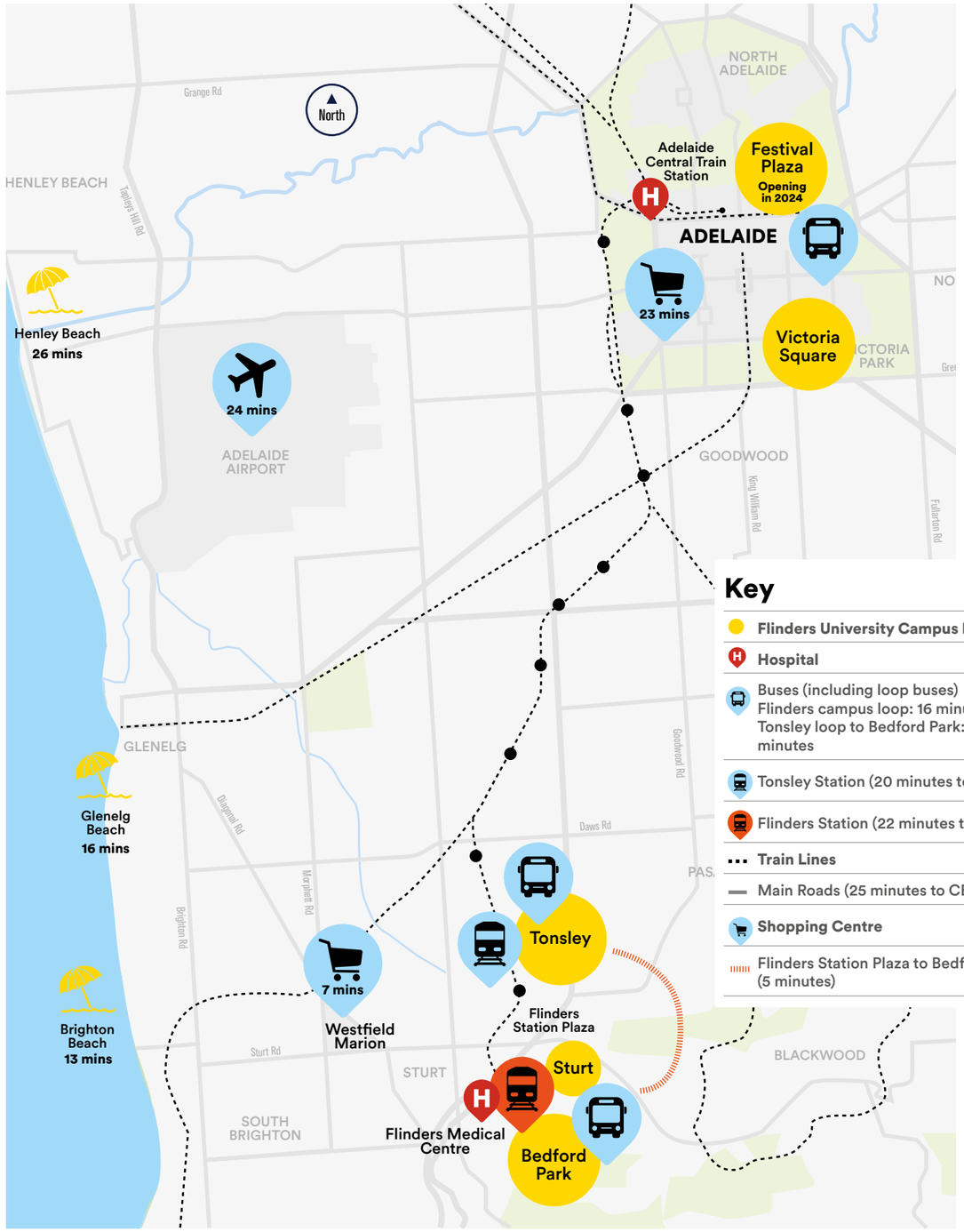
A new link from the north

Opened in June 2022, the electrified Gawler Rail Line provides services from the northern suburbs to the CBD, with express services expected to take around 48 minutes from Gawler to the CBD.

Plan your trip to Flinders CBD:

adelaidemetro.com.au/routes/gawc

Gawler to Festival Plaza in 48 minutes



Get more out of your study

Combined degrees

Combining your degree with a qualification in another discipline will give you more expertise and expand your career prospects. Studying a combined degree at Flinders will help you stand out from the crowd. A combined degree is a combination of two Flinders bachelor degrees. As a combined degree graduate you will have two qualifications in just one to one-and-a-half years of extra study.

There are dozens of combinations available, so why not explore your interests and find out where a combined degree could take you?

Our combined degree programs are designed to enhance your educational, academic and professional qualifications while minimising the cost and length of your studies. Flinders' combined degrees allow you to undertake in-depth study in exciting combinations that aren't usually available in single degrees.

flinders.edu.au/combineddegrees

Combine your Bachelor of

Criminology with

Law and Society, International Relations and Political Science

Laws and Legal Practice with

Arts, Business, Criminology, Psychology, International Relations and Political Science

Medical Science with

Engineering (Biomedical) (Honours)

Psychological Science with

Criminology

Business (Human Resource Management)

Business (Marketing)

Sport, Health and Physical Activity

Languages

Science (Forensic and Analytical Science) with

Archaeology

Criminology

Begin your journey to a successful career

Flinders diplomas

Flinders' diploma-level qualifications give you the chance to experience university life without having to commit to long-term study.

The one-year Diploma in Business, Diploma in Sports Management, Diploma in Laws, or Diploma in Arts give you the chance to explore a range of interests, and successful completion allows you to apply for up to one year of credit towards a range of bachelor degrees, and guaranteed entry to the following courses:

- Bachelor of Archaeology
- Bachelor of Arts
- Bachelor of Business
- Bachelor of Business (Human Resource Management, International Business, Management, Marketing, Sports Management)
- Bachelor of Business Economics
- Bachelor of Creative Industries (Digital Media, Film and Television, Interactive Design, Theatre and Performance, Writing and Publishing, Festivals and Arts Production)
- Bachelor of Disability and Community Inclusion
- Bachelor of Disability and Developmental Education
- Bachelor of Engineering Science
- Bachelor of Information Technology
- Bachelor of International Relations and Political Science
- Bachelor of Laws
- Bachelor of Laws (Honours)
- Bachelor of Laws and Legal Practice
- Bachelor of Laws and Legal Practice (Honours)
- Bachelor of Science

Standard University admission requirements apply.

The Diploma in Sports Management will teach you the core skills needed to begin a career in sports management, backed by over 100 hours of practical and hands-on training with Port Adelaide players, management and staff.

The Diploma in Language offers a solid foundation for learning and using a language of your choice, and will help you develop cross-cultural knowledge and skills that are invaluable in international workplaces.

flinders.edu.au/diplomas

Pathways to study

Whether you are a school leaver or returning to study at a later date, there are many ways to gain admission to Flinders University. Explore your options and find the entry path that's right for you.

If you have secondary education

Year 12 entry

Most Year 12 applicants enter university via the traditional entry method, where offers are made to eligible applicants with the highest selection rank until all places in the degree are filled. Your selection rank is used by Flinders to assess your admission to a course and is based on your ATAR plus any adjustment factors for which you are eligible.

flinders.edu.au/year12

Guaranteed entry

If you achieve an ATAR equal to or above the published guaranteed entry selection rank (and you meet course prerequisites) you will be guaranteed a place at Flinders. We offer guaranteed entry for most courses.

Indigenous Admission Scheme

The Indigenous Admission Scheme provides an alternative pathway for Aboriginal and Torres Strait Islander people, who may not have been able to gain entry to university by traditional means, with the opportunity to study at Flinders.

See page 22 for further details.

Elite Athlete Pathway

If you've officially represented your school or state at a national level competition, we'll consider your school's recommendation about your academic potential when you apply.

flinders.edu.au/study/sport/elite-athletes

Research Project B Pathway

If you have strong results in the Research Project B subject you will be considered for entry into Flinders on the basis of your Year 12 results and Research Project B performance.

flinders.edu.au/study/pathways/year-12-entry/research-project

School Recommendation Program

We may consider your school's recommendation about your academic performance as part of your admission into Flinders.

uniTEST

If you're in Year 12, uniTEST is available to enhance your chances of getting into Flinders. We will select students based on their Year 12 results (60% weighting toward the ATAR selection rank) and uniTEST results (40%). Flinders will also consider applicants based on their uniTEST results (100%) as a standalone entry score (subject to SACE completion and any course prerequisites or specific admissions requirements). If you take the test and don't do well, we will only consider your highest selection rank.

flinders.edu.au/unitest

If you haven't achieved the results you expected

If you haven't achieved the results you expected in Year 12, there are a number of pathways to your preferred degree. You can start studying one course and move to another via internal transfer or Flinderslink.

flinders.edu.au/study/pathways/flinderslink

Pathways to study

If you have work and life experience

Foundation Studies

The Foundation Studies program has been designed to introduce you to university study in a supportive learning environment. Open to people from all backgrounds, Foundation Studies provides a pathway to gain entry to most degrees at Flinders and offers guaranteed entry into some degrees.

flinders.edu.au/study/pathways/foundation-studies

Military pathways

Use your military service in the Australian Defence Force as a pathway to a Flinders University degree.

flinders.edu.au/study/pathways/military-veterans

Special Tertiary Admissions Test (STAT)

Adult entry to university via the Special Tertiary Admissions Test (STAT) enables people aged 18 years and over to apply to study at Flinders. Applications are made via SATAC.

satac.edu.au/stat

Alternatively, you may wish to consider an undergraduate certificate or diploma. These shorter courses allow you the opportunity to explore your interests and to progress to further study. Certificate courses are Commonwealth supported.

flinders.edu.au/pathways

If you have some higher education

Tertiary Transfer

If you have completed at least one semester of full-time equivalent study at university, you may be able to transfer to study at Flinders University using your grade point average (GPA).

TAFElink

Flinders offers guaranteed entry to selected degrees for applicants who have completed a TAFE/VET Certificate IV or higher-level qualification, as long as degree prerequisites are met.

flinders.edu.au/tafelink

TAFE SA Dual Offers

Flinders University together with TAFE SA offer dual offer pathways in various disciplines.

Work Integrated Learning

When it comes to landing a job, practical placements can give you the edge you need to succeed.

Flinders' Work Integrated Learning (WIL) will improve your employability by helping you better understand the day-to-day skills employers are looking for, and by giving you the chance to gain real experience in a workplace environment directly related to the course you're studying.

You might take on a work placement or internship, gain hands-on experience through field education, or get involved in projects with industry or community organisations.

Your WIL experience will be designed to help you gain that edge.

Flinders.edu.au/WIL

Student support

Whatever you decide to study at Flinders, we're always here to help you succeed.

Careers & Employability Service

The Careers and Employability Service helps give you the edge in your career. CareerHub, our online employment portal, offers personalised job opportunities, career planning, programs to help you broaden your skills and experience, access to employer events and career-related resources. Whatever you are studying, CareerHub can help you find your direction and start your career.

flinders.edu.au/careers

Flinders Connect

Flinders Connect can help with everything from enrolment and fees to exams and graduation. You can also access Flinders Connect for specialist services in admissions, careers and IT help. A range of support services is also available.

flinders.edu.au/flindersconnect

Flinders Library

Our extensive library is more than a book repository. We provide a range of services such as computing and printing, document delivery and one-on-one librarian appointments for assistance with search strategies and finding resources for your assignments.

library.flinders.edu.au

Flinders Living

Flinders is the only university in Adelaide that gives you the opportunity to live on campus, and both University Hall and Deirdre Jordan Village are located within the Bedford Park campus. The wide range of social, sporting and community activities also enhances the student experience at Flinders Living.

flinders.edu.au/living

Flinders University Student Association

The Flinders University Student Association (FUSA) continues a long tradition of active student involvement and represents the rights and interests of students. FUSA manages social events, non-sporting clubs and societies, and the student publication Empire Times, and helps with academic, administrative and welfare issues.

fusa.edu.au

Health, Counselling & Disability Services

Managing your health is important. We have facilities and services available to help you look after your physical and mental health.

flinders.edu.au/hcd

Horizon Award

The Flinders Horizon Award program sits alongside your academic studies; it is an innovative program that provides further opportunities to develop your professional skills and gain new experiences and insights that will benefit you now and in your future career.

flinders.edu.au/horizon

Transition to university

Starting at university is a big step; let's make it easier. The Student Learning Centre provides a range of services from writing and mathematics support to assistance with study and time-management skills.

students.flinders.edu.au/study-support/slc

Yungkurrinthi Student Engagement

Yungkurrinthi Student Engagement is committed to increasing Aboriginal and Torres Strait Islander student access, participation, retention and success at Flinders University. Providing a range of services and supports for Aboriginal and Torres Strait Islander students, our team of highly qualified staff is dedicated to supporting you throughout your student journey.

flinders.edu.au/study/indigenous-students

Indigenous Admission Scheme

The Indigenous Admission Scheme provides an alternative pathway for Aboriginal and Torres Strait Islander people, who may not have been able to gain entry to university by traditional means, with the opportunity to study at Flinders.

Are you eligible?

To be eligible for the Indigenous Admission Scheme you must be an Aboriginal or Torres Strait Islander person in accordance with the Commonwealth definition, which requires you to:

- be of Aboriginal or Torres Strait Islander descent, and
- identify as an Aboriginal or Torres Strait Islander, and
- be accepted as an Aboriginal or Torres Strait Islander in the community in which you live or have lived.

You may be currently studying Year 12 or be a non-school leaver.

How to apply

1. Apply for the course you want to study through the South Australian Tertiary Admissions Centre (SATAC). You will get an application number from SATAC that you will need for your Indigenous Admission Scheme application form.
2. Complete the Indigenous Admission Scheme application form online (flinders.edu.au/indigenousadmissions). If you are having trouble completing an online application, you can request a paper-based application via ias@flinders.edu.au or call us on 08 8201 3033.
3. An interview is part of the application process, but you will be notified about this.

Application and interview dates

First round applications close late November and second round applications close early January for semester 1. For our midyear intake to a number of courses, applications close in June.

flinders.edu.au/indigenousadmissions

"I originally chose Flinders as they have one of the best facilities for future teachers and fantastic student engagement. Studying at Flinders has been a wonderful experience that has given me the opportunity to discover what I truly want into the future while also providing me with support in every way imaginable. Flinders and Yungkurrinthi have given me the opportunity to meet others with similar ambitions and goals as myself and find the benefit of an education in places I would never have thought to look. As a proud Indigenous woman, I want to use my degree to work in First Nation communities to help our young people make it through their high schooling experience and onto their own future aspirations."

Emilee Pyrke
Bachelor of Arts,
Conditional entry to Master of Teaching (Secondary)

Study abroad/scholarships

Over 450 scholarships worth $2.4 million in total – ranging from $1,000 to $20,000.

Take your studies overseas

Why wait until you graduate to explore the world? Flinders' Learn Without Borders could see you studying overseas, gaining a unique perspective and immersing yourself in a different culture, language and lifestyle. Our global study programs are designed to allow students to take their Flinders study overseas and earn academic credit toward their Flinders program. With 70+ overseas partner universities, why wait until you graduate to see the world?

flinders.edu.au/learn-without-borders

Explore Flinders scholarships

Flinders offers a generous range of scholarships for students in undergraduate courses. With over 450 available scholarships, including scholarships to students from low socio-economic backgrounds, students from rural and regional areas, and Aboriginal and Torres Strait Islander students, you may be eligible for support that will help you achieve your goals at university.

flinders.edu.au/scholarships

"I always knew I wanted to study overseas at some stage during my degree. A semester exchange gave me the chance to complete topics that weren't available in my home university and experience life in a city that is very different to my own. Having completed a semester overseas, I now have an edge over the countless other students that are completing the same degree as me and have formed memories that will always stay with me."

Annelise Smith
Bachelor of Business
(Advanced Leadership)

"The Wyndham Richardson Scholarship Fund has been invaluable to reduce the financial pressure during studies, especially now that I am in the later years of my degree."

Ryan Rowston
Bachelor of Computer Science

Wyndham Richardson Scholarship Fund recipient

How to apply

Check the application dates

Applicants need to apply through the South Australian Tertiary Admissions Centre (SATAC).

satac.edu.au

Read the course information

- Check the admission criteria
- Check the prerequisites
- Check assumed knowledge and additional admission criteria
- Consider combined degrees
- Consider pathways to your degree

Visit us

- Attend Flinders Open Days
- Check other upcoming events at

events.flinders.edu.au

Contact us if you have any questions

- Call 1300 354 633 (local call cost)
- Email askflinders@flinders.edu.au

Apply

- Apply through SATAC at satac.edu.au
- Apply for scholarships at flinders.edu.au/scholarships
- Lodge separate Indigenous Admission Scheme (if applicable) at flinders.edu.au/indigenousadmissions

Accept your offer

Enrol in your subject/topics at

students.flinders.edu.au/my-course/enrolment

When can I start?

Flinders offers two admissions cycles each year for undergraduate degrees.

Semester 1 – March start

Applications open in August for commencement the following year.

Semester 2* – July start

Mid-year applications open in August for commencement in July the following year.

* Not all degrees are offered for semester 2.

Key dates

Flinders Open Days: Friday 11 August, Saturday 12 August 2023

Semester 1 2024 start date: 26 February 2024

Semester 1 Orientation week: 19 February 2024

Semester 2 2024 start date: 22 July 2024

Semester 2 Orientation week: 29 July 2024

Fees and charges

Your course fees – Commonwealth support

All our courses list indicative fees, but as an undergraduate student your course is Commonwealth supported provided you're an eligible Australian citizen, New Zealand citizen or permanent resident.

Your course being Commonwealth supported means that your course fees are shared between the Australian government and you – with your portion being the student contribution amount.

HECS-HELP loan

You won't have to pay your fees up-front if you're an Australian citizen or holder of a permanent humanitarian visa. You can get a HECS-HELP loan for your student contribution portion of your uni fees. Find out more about costs to plan for while you're at uni at

flinders.edu.au/fees

Glossary

There are many terms used within a university that may be unfamiliar or confusing. Below are a few terms that may need explanation.

Admission pathway

Any one of the options available to a prospective higher education student that will enable them to meet the entry requirements of their chosen courses.

ATAR

The Australian Tertiary Admission Rank (ATAR) is a ranking from 30 (lowest) to 99.95 (highest) agreed by COAG as a nationally equivalent measure of a person's relative academic ranking within their complete age cohort in the year they graduated from senior secondary school.

Adjustment factors

Often referred to as 'bonus points', these are additional points that may be used in combination with an applicant's university aggregate to derive their course selection rank.

Defer

Delaying the start of a course of study by one year (commencing students only). If you have already enrolled, then you need to withdraw from topics before you can defer.

Not all courses are deferrable. Please visit flinders.edu.au/defer for details.

Guaranteed entry selection rank

Achieve a selection rank equal to or above the published guaranteed entry selection rank and you'll be guaranteed a place at Flinders.

Major

A sequence of topics required to be taken as defined in your course rule, normally across all years of a course.

Minor

A sequence of topics required to be taken as defined in your course rule, generally as part of a major.

Offer round/s

Refers to the series of dates on which offers of higher education places are issued to applicants throughout the year, whether through a tertiary admission centre or directly by a higher education provider.

Selection rank

The ranking that tertiary admission centres and most universities actually use to assess admission to a course. A person's course selection rank can include their ATAR, any adjustments they are eligible for, such as equity or subject adjustments, other contributions calculated on the basis of work experience or previous non-secondary study, portfolio assessments, results of the Special Tertiary Admissions Test, other supplementary tests, etc.

Listing your SATAC preferences

You may enter up to six course preferences that you would like to study. You should list these in the order in which you'd like to study them, with the one you would like most listed first. If you cannot be offered a place in your first preference, you will then be considered for your second preference and so on. It is also important to consider a backup plan. Ensure you include our recommended pathway courses in your preferences.

Notes

Flinders University

Computer Science & Information Technology

Contact us

Our friendly staff are available to answer your questions:
1300 354 633 (local call cost) | askflinders@flinders.edu.au | flinders.edu.au/ask

International students should contact:
+61 8 8201 2727 | flinders.edu.au/international | INTLAdmissions@flinders.edu.au

Every effort has been made to ensure the information in this brochure is accurate at the time of publication: March 2023. Flinders University reserves the right to alter any course or topic contained herein without prior notice. Alterations are reflected in the course information available on the University's website. CRICOS No. 00114A

Flinders.edu.au