Engineering, Defence, Computer Science & Information Technology

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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.

“At Flinders, it’s all about your global career”

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)

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, Ngadju, Ngarrindjeri, Ramindjeri, Warumungu, Wardaman and Yolngu people. We honour their Elders past, present and emerging.
The career of your dreams
Engineers are in high demand worldwide. Demand for electrical engineers is increasing. The world of robotics is changing rapidly, and large-scale civil engineering projects are being conducted in many areas. From robotics to renewable energy, shipbuilding and defence, civil engineering or creating new medical technologies... Finders engineering graduates are working in a broad range of engineering fields across the globe. You can help design and build tomorrow.

Graduate ready for success
Finders Engineering degrees are offered in close collaboration with industry. You’ll be plugged into our $30 million hub of innovation and entrepreneurship at Tonsley, studying alongside some of Adelaide’s biggest businesses and globally recognised organisations such as SAGE, Siemens, SIMEC ZenEnergy, Telsa, Mitch X and Rockwell Automation. Graduate career-ready and ready to take on the world.

Up to 18 months with industry
Finders’ engineering’s Work Integrated Learning (WIL) program is South Australia’s longest industry placement. All Finders engineering students have the opportunity to undertake a 20-week industry placement as part of their degree, helping them graduate work-ready. Honours students complete a research placement enabling them to work alongside professional engineers, tackling real-world problems, for up to 18 months in total.

No. 1 in Australia for learning resources*
* The Good Universities Guide 2020 (undergraduate)

SA’s longest engineering placement**
** Public SA-founded universities only

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

- product designer
- business development manager
- commercialisation specialist
- graduate consultant
- innovation strategist.

Potential employers include:

- CSR Limited
- CSIRO
- Department of Industry, Innovation and Science
- Adidas.
- Chemtronics Biomedical Engineering
- Epworth HealthCare
- Bio-Rad Laboratories Pty Ltd
- Brainlab
- The Queen Elizabeth Hospital.

No. 1 in Australia in Engineering for learning resources*

Bachelor of Design and Technology
Graduate prepared to solve problems and create commercial solutions. This degree prepares you to do this by developing a sound understanding of three areas: design; innovation management; and science, technology and engineering. You’ll be taught desirable skills that will allow you to design and develop new products or services to solve a range of real-world problems.

- Gain an understanding of industrial design, technology and innovation in one degree and learn to match a problem with technology to create a commercial solution.
- Enhance your employability with highly attractive, vital skills in the rapidly changing innovation sector.
- Gain practical, hands-on exposure to the cutting-edge equipment and facilities of Finders University’s new technology precinct at Tonsley.
- You’ll have the chance to participate in a 12-week industry work-integrated placement.
- This degree is recognised by the Design Institute of Australia.
- There are opportunities to take your studies overseas with a 12-week practical work experience placement in Europe, Asia or North America.

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

- product designer
- business development manager
- commercialisation specialist
- graduate consultant
- innovation strategist.

Potential employers include:

- CSR Limited
- CSIRO
- Department of Industry, Innovation and Science
- Adidas.
- Chemtronics Biomedical Engineering
- Epworth HealthCare
- Bio-Rad Laboratories Pty Ltd
- Brainlab
- The Queen Elizabeth Hospital.

Bachelor of Engineering (Biomedical) (Honours)
Health care is a large and rapidly growing industry, and your skills could help improve the way we plan, design, manufacture and maintain healthcare systems and equipment. You will gain a solid education in both engineering and medical science, along with important practical skills and the ability to work as part of an effective team that will see you graduate work-ready.

- You’ll study unique topics such as rehabilitation and assistive technology.
- Finders’ biomedical and materials engineering research is world class, and graduates have won Monash Scholarships, Fulbright Scholarships, Churchill Fellowships and Menzies Scholarships.
- Choose a specialisation in mechanics-based or electronics-based biomedical engineering.
- Our on-campus Medical Device Research Institute and Medical Device Partnering Program bring together some of the leading minds in biomedical engineering and related disciplines.
- Through our extensive industry links, undertake a 20-week industry placement program of structured work experience with a local, national or international organisation.
- This degree is fully accredited by Engineers Australia at the level of professional engineer and recognised internationally under the Washington Accord.

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

- biomedical engineer
- clinical support specialist consultant
- customer support engineer
- pathology field service engineer
- instrumentation engineer.

Potential employers include:

- Chemtronics Biomedical Engineering
- Epworth HealthCare
- Bio-Rad Laboratories Pty Ltd
- Brainlab
- The Queen Elizabeth Hospital.

SATAC code (Tonsley) 264591
Prerequisites None
Assumed knowledge None
2023 selection rank 70.00
Guaranteed entry selection rank 70.00
TAFElink Cert IV or above
Adjustment factors Yes

SATAC code (Tonsley) 224781
Prerequisites Yes
Assumed knowledge Yes**
2023 selection rank 70.00
Guaranteed entry selection rank 70.00
TAFElink Dip or above
Adjustment factors Yes

* SACE stage two specialist mathematics or mathematical methods or equivalent.
** Knowledge of SACE stage two physics or equivalent is assumed.
ENGINEERING

Bachelor of Engineering (Biomedical) (Honours)/Master of Engineering (Biomedical)

Health care is a large and rapidly growing industry, and your skills could help improve the way we plan, design, manufacture and maintain healthcare systems and equipment. You will gain a solid education in both engineering and medical science, along with important practical skills and the ability to work as part of an effective team that will see you graduate work-ready.

Prepare yourself for a career solving civil engineering problems. You’ll learn how to create innovative solutions that consider social, economic and environmental concerns. This degree covers the four main civil engineering themes of structures, transport, water and geomechanics, then applies them to infrastructure design and construction.

Bachelor of Engineering (Civil) (Honours)

Be a part of the next generation of electrical and electronic technology. Electrical engineering is concerned with large-scale electrical systems including renewable power generation and electric motors. Electronic engineering focuses on lower voltage systems such as computer systems, communication networks and integrated circuits.

Majors – Bachelor of Engineering (Civil) (Honours)

Choose from a range of majors that allow you to follow your interests and graduate ready to take on the world. Flinders Bachelor of Engineering (Civil) (Honours) allows you to select a major in any of the following areas:

Civil infrastructure

This is a broad major that focuses on all aspects of civil engineering covering structural engineering, transport systems, geotechnical engineering and water engineering in depth.

Environmental engineering

Explore the environmental and sustainability aspects of civil engineering. On top of the solid civil engineering core you will study topics such as sustainable engineering, waste management and hydrochemistry.

Structural engineering

Study the development of civil engineered structures. To expand on your core civil engineering studies, you will also focus on concrete analysis and design, foundation design, and fatigue and fracture analysis.

Transport systems engineering

This major focuses on the development of transport solutions in civil engineering. Career focused and industry informed, topics will include transport planning, modelling and remote sensing.

Majors – Bachelor of Engineering (Electrical and Electronic) (Honours)

Choose from a range of majors that allow you to follow your interests and graduate ready to take on the world. Flinders Bachelor of Engineering (Electrical and Electronic) (Honours) allows you to select a major in any of the following areas:

Advanced electrical engineering

This major focuses on electrical engineering and includes study in electrical energy systems including high-voltage electrical power and renewable energy.

Advanced electronic engineering

Supplementing your core studies, this major focuses on the use of electronics as a component of computers, communications technology and control systems.

Computer and network systems

Study the application of electrical and electronic technology to create computer systems and networked devices.

Electronic systems and security

Take your studies to the cutting edge. This major focuses on the electromagnetic spectrum and the way in which electronics can be used to assure electromagnetic security.
Bachelor of Engineering (Electrical and Electronic) (Honours)/Master of Engineering Management

Many companies want engineers who combine the skills of electrical and electronic engineers with those of mechanical engineers.

SATAC code (Tonsley) 244671
Prerequisites Yes*
Assumed knowledge Yes**
2023 selection rank 95.00
Guaranteed entry selection rank 95.00
TAFElink NA
Adjustment factors Yes

- This degree combination is unique in South Australia.
- Our nationally recognised integrated work placement gives you practical industry experience.
- This degree is fully accredited by Engineers Australia at the level of professional engineer and recognised internationally under the Washington Accord.

Career opportunities
Your degree could open up a range of employment opportunities, including:
- design consultancies
- construction companies
- defence industry
- government and universities.

Bachelor of Engineering (Civil) (Honours)/Master of Engineering Management

The civil engineering component is a comprehensive, accredited degree covering the four main civil engineering themes of structures, transport, water and geomechanics. The engineering management component combines the problem-solving and technical design ability of engineering with executive organisational skills and the planning power of business and management.

SATAC code (Tonsley) 244691
Prerequisites Yes*
Assumed knowledge Yes**
2023 selection rank 95.00
Guaranteed entry selection rank 95.00
TAFElink NA
Adjustment factors Yes

- SACE stage two specialist mathematics or mathematical methods or equivalent.
- Knowledge of SACE stage two physics or equivalent is assumed.

Bachelor of Engineering (Environmental) (Honours)/Master of Engineering (Civil)

Combine the advantages of being an in-demand environmental engineer with the knowledge needed to become an accredited civil engineer.

SATAC code (Tonsley) 244661
Prerequisites Yes*
Assumed knowledge Yes**
2023 selection rank 90.00
Guaranteed entry selection rank 90.00
TAFElink Dip or above
Adjustment factors Yes

- SACE stage two specialist mathematics or mathematical methods or equivalent.
- Knowledge of SACE stage two physics or equivalent is assumed.

Bachelor of Engineering (Mechanical) (Honours)/Master of Engineering Management

The mechanical engineering component is a comprehensive, accredited degree providing both a theoretical and a real-world practical basis for designing and developing complex mechanical devices. The engineering management component combines the problem-solving and technical design ability of engineering with executive organisational skills and the planning power of business and management.

SATAC code (Tonsley) 244701
Prerequisites Yes*
Assumed knowledge Yes**
2023 selection rank 90.00
Guaranteed entry selection rank 90.00
TAFElink NA
Adjustment factors Yes

- SACE stage two specialist mathematics or mathematical methods or equivalent.
- Knowledge of SACE stage two physics or equivalent is assumed.

Bachelor of Engineering Technology (Systems and Security)/Bachelor of Science (Physics)

This four-year combined degree represents a unique and exciting pathway to work in a cutting-edge, high-technology area.

SATAC code (Tonsley) 244711
Prerequisites Yes*
Assumed knowledge Yes**
2023 selection rank NA
Guaranteed entry selection rank NA
TAFElink Dip or above
Adjustment factors Yes

- SACE stage one mathematics or stage two general mathematics or equivalent.
- Knowledge of SACE stage two general mathematics or equivalent is assumed.

Bachelor of Engineering Technology (Advanced Manufacturing and Digital Design)

Constructed with substantial industry input and support, this course enables students to learn both the fundamentals and the practical application of a range of advanced manufacturing, digital design and industry 4.0 techniques.

SATAC code (Tonsley) 244761
Prerequisites Yes*
Assumed knowledge Yes**
2023 selection rank 70.00
Guaranteed entry selection rank 70.00
TAFElink Dip or above
Adjustment factors Yes

- SACE stage one mathematics or stage two general mathematics or equivalent.
- Knowledge of SACE stage two physics and general mathematics or equivalent is assumed.

Bachelor of Engineering Technology (Systems and Security)

Developed in collaboration with the Defence Science and Technology Group within the Department of Defence, the course encompasses a wide range of communication mediums including radar, radio and microwaves.

SATAC code (Tonsley) 244701
Prerequisites Yes*
Assumed knowledge Yes**
2023 selection rank NA
Guaranteed entry selection rank NA
TAFElink Dip or above
Adjustment factors Yes

- SACE stage one mathematics or stage two general mathematics or equivalent.
- Knowledge of SACE stage two general mathematics or equivalent is assumed.
**Bachelor of Engineering (Environmental) (Honours)**

Environmental engineering is where advances in science and technology are transformed into practical solutions that will protect and improve the quality of our environment. Environmental engineers are problem-solvers who design solutions to a range of hazards from airborne and waterborne diseases, water and air pollution, wastewater management and recycling. They implement environmental engineering law and assess the environmental impact of proposed projects.

- **Prepare to become a professional engineer in the maritime engineering industry.** You’ll learn to design and manage the building of maritime vehicles, coastal engineering projects, port and harbour facilities, and offshore oil and gas installations. You’ll develop practical skills in mechanics and structures, ship design, hydrostatics and fluid mechanics, thermodynamics and energy engineering.

**SATAC code (Tonsley)**: 234261

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* SACE stage two specialist mathematics or mathematical methods or equivalent.
** Knowledge of SACE stage two physics or equivalent is assumed.

**Bachelor of Engineering (Maritime) (Honours)**

Build a hands-on career with real-world applications. Learn to design, construct and operate mechanical systems. This degree encourages you to push the boundaries, preparing you for the future of mechanical systems engineering. You’ll learn to apply the principles of physics, materials science and mathematics, and build depth of knowledge in materials, mechanics, design, thermodynamics and fluid mechanics.

**SATAC code (Tonsley)**: 234260

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* SACE stage two specialist mathematics or mathematical methods or equivalent.
** Knowledge of SACE stage two physics or equivalent is assumed.

**Bachelor of Engineering (Mechanical) (Honours)**

Build a hands-on career with real-world applications. Learn to design, construct and operate mechanical systems. This degree encourages you to push the boundaries, preparing you for the future of mechanical systems engineering. You’ll learn to apply the principles of physics, materials science and mathematics, and build depth of knowledge in materials, mechanics, design, thermodynamics and fluid mechanics.

**SATAC code (Tonsley)**: 234261

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* SACE stage two specialist mathematics or mathematical methods or equivalent.
** Knowledge of SACE stage two physics or equivalent is assumed.

**Majors – Bachelor of Engineering (Mechanical) (Honours)**

Choose from a range of majors that allow you to follow your interests and graduate ready to take on the world. Flinders’ Bachelor of Engineering (Mechanical) (Honours) allows you to select a major in any of the following areas:

- **Mechanical engineering**
  - This major provides a broad focus on all aspects of mechanical engineering, with topics including solid mechanics, mechanics of machines, fluid mechanics and thermodynamics, mechanical design, control systems, manufacturing and mechanics of materials.

- **Electro-mechanical systems**
  - In many industrial sectors, mechanical engineers with a great understanding of electrical engineering principles are ideally preferred. This major uniquely provides a secondary course of study in electrical engineering on top of the core mechanical engineering topics. As well as the mechanical engineering topics, you will also cover electrical engineering principles, electrical machines, electrical energy and power systems.

- **Materials engineering**
  - The development and engineering of materials enable mechanical engineers to design and manufacture products and devices with the best possible performance in service. This major focuses on the use of materials in major production systems. As well as the mechanical engineering topics, you will also study areas such as materials structure and characterisation, materials selection and failure analysis.

- **Maritime engineering**
  - This major focuses on the use of mechanical systems in a maritime context. Taking this major will not only provide a comprehensive mechanical degree but also cover topics such as shipbuilding and ship repair and maintenance. By taking this major you can transfer to the University of Tasmania at the end of year two to complete a specialised maritime engineering degree.

**Naval shipbuilding**

With around 15,000 skilled and professional jobs expected to be created as part of the National Naval Shipbuilding Enterprise, Flinders has partnered with the Naval Shipbuilding College and defence industry primes to ensure our graduates are ready to solve emerging defence careers.

Flinders is the first Australian University to be endorsed for delivering courses aligned with the future employment needs of the naval shipbuilding industry, courses such as the Bachelor of Engineering (Honours) – mechanical, Electrical and Electronic, Robotics, Software, or Maritime, and our Bachelor of Information Technology (Networks and Cybersecurity Systems).

By studying engineering at Flinders, you’ll have access to purpose-built teaching and laboratory facilities, personalisation teaching, and great staff-student working relationships.
You’ll have access to purpose-built, state-of-the-art teaching and laboratory facilities at Tonsley.

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.

Career opportunities
Your degree could open up a range of employment opportunities, including:
- biomedical engineer
- clinical support specialist consultant
- customer support engineer
- pathology field service engineer
- instrumentation engineer

Potential employers include:
- Chemtronics Biomedical Engineering
- Epworth HealthCare
- Bio-Rad Laboratories Pty Ltd
- Brainlab
- The Queen Elizabeth Hospital.

Bachelor of Engineering (Robots) (Honours)/Master of Engineering (Electrical and Electronic)

Create a career designing the robot workforce of the future. 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.

Develop the practical skills you’ll need for a rewarding career in engineering and develop your knowledge and skills in 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.

Your degree could open up a range of employment 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.

You’ll have access to purpose-built, state-of-the-art teaching and laboratory facilities at Tonsley.

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.

Career opportunities
Your degree could open up a range of employment opportunities, including:
- robotics engineer
- robotics sensor integration specialist
- mechatronic engineer
- process and automation engineer
- instrument engineer.

Potential employers include:
- Lockheed Martin
- Smart Automation Systems
- Simadev
- Rocket Lab.

Bachelor of Engineering Science

Develop the practical skills you’ll need for a rewarding career in engineering and develop your knowledge and skills in 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.

Your degree could open up a range of employment 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.

You’ll have access to purpose-built, state-of-the-art teaching and laboratory facilities at Tonsley.

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.

Career opportunities
Your degree could open up a range of employment opportunities, including:
- construction materials technician
- graduate consultant
- laboratory assistant
- graduate process improver.

Potential employers include:
- Defence Science & Technology Group
- Safe Environments Pty Ltd
- CSIRO
- Department of Industry, Innovation and Science
- Aglient Technologies.

**Bachelor of Engineering (Mechanical) (Honours)/Master of Engineering (Biomedical)**

If you’re a high-achieving student, take a pathway that allows you to complete a program of study in mechanical and biomedical engineering in only five years. You could work towards a career in many areas in the mining, defence, manufacturing, transport, environmental, engineering consultancy, building services, automotive and petrochemical industries, or in the design and production of diagnostic and therapeutic medical equipment in hospitals, devices to assist in home-based health care and rehabilitation, and sensory and control systems.

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.

You’ll have access to purpose-built, state-of-the-art teaching and laboratory facilities at Tonsley.

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.

Career opportunities
Your degree could open up a range of employment opportunities, including:
- biomedical engineer
- clinical support specialist consultant
- customer support engineer
- pathology field service engineer
- instrumentation engineer

Potential employers include:
- Chemtronics Biomedical Engineering
- Epworth HealthCare
- Bio-Rad Laboratories Pty Ltd
- Brainlab
- The Queen Elizabeth Hospital.
In this degree, you’ll gain a foundation in the principles and techniques of modern mathematics and learn how to apply these skills to solve today’s problems. The degree is designed to produce industry-focused graduates who are in demand in a range of careers that use mathematics.

Bachelor of Mathematical Sciences (Honours)

Bachelor of Mathematical Sciences (Honours)

Widen your career opportunities with this future-oriented course, enabling you to choose a course of study with either an electronics or computer science focus. This degree provides you with a solid foundation in the technical and professional skills and knowledge required to pursue a successful career in the software industry.

The degree has been specifically created for students looking to work as professional software engineers.

You’ll have access to purpose-built, state-of-the-art teaching and laboratory facilities at Tonsley.

Through our extensive industry links, undertake a 20-week industry placement program of structured work experience with a local, national or international organisation.

Develop practical skills in programming, testing, network engineering, operating systems, design and automation, and signals and systems.

There are opportunities to take your studies overseas as part of your industry placement.

This degree is fully accredited by Engineers Australia at the level of professional engineer and recognised internationally under the Washington Accord.

Your degree could open up a range of careers that use mathematics.

Career opportunities

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

- defence research scientist/engineer
- electronic engineer
- electronic security specialist
- information analyst
- physicist
- telecommunications engineer.

Potential employers include:

- BAE Systems Australia
- Unico
- Australian National Audit Office
- Lockheed Martin.
Flinders at Tonsley

With more than 150 staff and 2,000 students – and a 2,000 square metre pod for heavy engineering equipment – Tonsley is a place where Flinders University students interact with business and where business interacts with Flinders researchers in areas such as engineering, medical devices and nanoscale technologies.

Tonsley embodies world’s best practice in education, teaching and research. It’s a place where innovation, collaboration and entrepreneurial spirit combine to create the products and processes of the twenty-first century and beyond.

With Tonsley located centrally between Flinders University’s Bedford Park campus and Adelaide city, it’s connected to the city by train, offering convenient access 15 minutes from the city’s CBD. Tonsley is a five-minute car ride, a 15-minute ride on the Flinders loop bus or a 30-minute walk from the Bedford Park campus.

Tonsley is in touch with industry. Study alongside industry leaders and gain valuable career-ready skills.

Flinders Automotive Solar Car Teams program (FAST)

The Flinders solar car program has been running since 2016 and provides a global experience for Flinders students. They get to work closely with industry and leading academics in this field, and are involved as a cross-functional group to develop various aspects of the program from design, mechanical and electrical development through to biomedical support systems, software and on-board IT systems.

The program has so far seen four Flinders Automotive Solar Car Teams (FAST) complete the World Solar Challenge as part of their studies, learning and refining new skills that underpin, enhance and grow their academic learnings to produce job-ready graduates.

“Read how Flinders students are leading the way in our solar car design.”

Flinders at Tonsley

“The world is set to convert 80 per cent of its power via Power Electronics by 2030. Being involved in projects such as FAST will give you, at the very least, an appreciation for energy harvesting, conversion, storage and utilisation that will no doubt be useful in the industry.”

Corbus Hoffman
Design Engineer, REDARC

“Flinders at Tonsley centrally locates computer science, engineering and mathematics at Flinders University, with the New Venture Institute, Medical Device Research Institute and Centre for Nanoscale Science and Technology alongside some of Adelaide’s biggest businesses and industries.”

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Tonsley is in touch with industry. Study alongside industry leaders and gain valuable career-ready skills.

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Tonsley is in touch with industry. Study alongside industry leaders and gain valuable career-ready skills.
ENGINEERING

Combined degrees can enhance your job prospects

By combining your degree with a qualification in another discipline, you’ll connect diverse knowledge in unique ways and develop specialised abilities to help you stand out from the pack. Studying a combined degree at Flinders is the key to enhancing your career opportunities. Example degree combinations:

- Bachelor of Engineering (Environmental) (Honours)/Bachelor of Science (Environmental Science)

SATAC code (Tonsley) 244401
With the problems faced by the environment becoming more critical, environmental scientists and engineers are in very high demand. Flinders University offers a unique double degree that combines environmental engineering with environmental science. You’ll graduate with two separate degrees, greater career prospects and a competitive edge in the job market.

- Bachelor of Medical Science/Bachelor of Engineering (Biomedical) (Honours)
SATAC code (Bedford Park) 214421

Broaden your career opportunities by combining specialised medical science studies in areas such as biochemistry, biotechnology, microbiology, molecular biology, neuroscience and more, with the skills to investigate, plan, design, manufacture and maintain systems and equipment that are used in all of health care.

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

There’s more than one way to get into an engineering degree at Flinders

At Flinders, there are multiple entry pathways you can study to become an accredited engineer, even if you:
- have minimal maths and physics background
- don’t know what area of engineering you want to specialise in
- have a lower ATAR than you had hoped for
- finished school some years back

Flinders’ engineering courses have a common first year which enables you to get a taste of engineering disciplines and delay your choice of specialisation until you have experienced engineering as a whole, or transfer between courses if you change your mind.

Bachelor of Engineering (Honours) – Flexible Entry

Get a taste of engineering before choosing your specialisation. Embark on a first-year engineering degree without choosing the engineering specialisation you wish to pursue with the Bachelor of Engineering (Honours) – Flexible Entry. At the end of your first year, you can transition to a named engineering degree of your choice without having to study the standard four-year course.

Bachelor of Engineering (Honours) – General Entry

A feeder to engineering for those with less mathematics, Flinders’ general entry pathway to the Bachelor of Engineering (Honours) provides guaranteed entry for students who have passed SACE stage two general mathematics or SACE stage one mathematics. The course includes additional mathematics and physics, enabling students to transfer into and complete any of Flinders’ Bachelor of Engineering (Honours) degrees in 4.5 years or less.

Bachelor of Engineering Science

Gain the foundations for further study in engineering or for a career in an engineering-related field. The degree offers specialisations in biomedical engineering, civil engineering, electrical engineering, electronic engineering, mechanical and engineering, software engineering, and design and technology.

This degree provides a pathway to the following degrees:
- Bachelor of Engineering (Biomedical) (Honours)
- Bachelor of Engineering (Civil) (Honours)
- Bachelor of Engineering (Electrical and Electronic) (Honours)
- Bachelor of Engineering (Environmental) (Honours)
- Bachelor of Engineering (Maritime) (Honours)
- Bachelor of Engineering (Mechanical) (Honours)
- Bachelor of Engineering (Robotics) (Honours)
- Bachelor of Engineering (Software) (Honours)

More information on the Bachelor of Engineering Science can be found on page 13. Find out more flinders.edu.au/engineeringpathways
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).

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

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).

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.

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

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

- 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 gain a comprehensive understanding of both the technological and practical aspects of computing technologies, prepared for a career in a computing-related field.

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.

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.

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.

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

For more information visit: finders.adelaide.edu.au/comp-science-info-technology

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COMPUTER SCIENCE & IT

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.

Career opportunities

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

• machine learning developer
• data scientist
• product designer
• 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 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.

Career opportunities

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

• data analyst
• data scientist
• database administrator
• consultant.

Potential employers include:

• information technology services
• educational institutions
• health industry
• defence industry
• government bodies.

Bachelor of Information Technology (Digital Forensics)

Bachelor of Information Technology (Digital Forensics) (Honours)

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.

Career opportunities

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

• investigator
• forensic analyst
• digital forensic analyst
• computer forensics analyst.

Potential employers include:

• government
• private security firms
• banks
• software development companies
• blockchain
• cybersecurity departments
• government bodies.

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.

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.

SATAC code (Tonsley)
244831

Assumed knowledge
None

Potential employers include:

• AI analyst
• data scientist
• data engineer
• data analyst
• database administrator
• consultant.

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
• cybersecurity departments
• government bodies.

SATAC code (Tonsley)
244841

Assumed knowledge
None

Potential employers include:

• operations specialist
• mobile systems specialist
• enterprise systems specialist
• network analyst.

Career opportunities

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

• business analyst
• operations specialist
• mobile systems specialist
• enterprise systems specialist
• network analyst.

SATAC code (Tonsley)
244851

Assumed knowledge
None

Potential employers include:

• project manager
• technical project manager
• project officer.

Career opportunities

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

• project manager
• technical project manager
• project officer.

SATAC code (Festival Plaza)*
244811

Assumed knowledge
None

Potential employers include:

• Cisco Certified Network Associate
• Network Engineer.

Career opportunities

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

• Cisco Certified Network Associate
• Network Engineer.

SATAC code (Tonsley)
244821

Assumed knowledge
None

Potential employers include:

• mobile phone technician
• network technician.

Career opportunities

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

• mobile phone technician
• network technician.

SATAC code (Tonsley)
244861

Assumed knowledge
None

Potential employers include:

• IT analyst
• business analyst
• project officer
• network technician.

Career opportunities

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

• IT analyst
• business analyst
• project officer
• network technician.

SATAC code (Festival Plaza)*
244871

Assumed knowledge
None

Potential employers include:

• network technician.

Career opportunities

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

• network technician.

SATAC code (Festival Plaza)*
244871

Assumed knowledge
None

Potential employers include:

• network technician.

Career opportunities

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

• network technician.

SATAC code (Festival Plaza)*
244861

Assumed knowledge
None

Potential employers include:

• computer forensics analyst
• digital forensics analyst
• data scientist.

Career opportunities

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

• computer forensics analyst
• digital forensics analyst
• data scientist.
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.

### Bachelor of Information Technology (Game Development) (Honours)

- **Career opportunities**: Your degree could open up a range of employment opportunities, including:
  - digital content coordinator
  - JavaScript developer
  - game economy designer
  - game developer
  - game programmer

- **Potential employers include**:
  - Gameland
  - Hasbro
  - Davidson Technology/ITCOM
  - Academy of Interactive Entertainment

- **SACE stage two mathematical methods or equivalent.**

<table>
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<tr>
<th>SATAC code (Tonsley)</th>
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<td>Festival Plaza 4 years full-time</td>
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<td>Assumed knowledge</td>
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<td>Guaranteed entry selection rank</td>
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</table>

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

- **Career opportunities**: Your degree could open up a range of employment opportunities, including:
  - network engineer
  - systems support officer
  - cloud applications net developer

- **Potential employers include**:
  - Accenture
  - Plenary Networks
  - Australian Federal Police
  - Interactive Intelligence Group
  - Department of Communications

<table>
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<tr>
<th>SATAC code (Tonsley)</th>
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<td>SATAC code (Honours) (Tonsley)</td>
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<td>Guaranteed entry selection rank</td>
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</table>

### 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.

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>224804</td>
<td>3 years full-time</td>
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<tr>
<td>Prerequisites</td>
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<td>Assumed knowledge</td>
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<td>65.00</td>
</tr>
<tr>
<td>Guaranteed entry selection rank</td>
<td>70.00</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>SATAC code</th>
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</table>

### 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 Gruman Scholarship

The Northrop Gruman Scholarship, established in 2018, recognises and supports students enrolled in the Bachelor of Computer Science (Artificial Intelligence) or the Bachelor of Computer Science (Network and Cybersecurity Systems) (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 knowledge 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

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 at flinders.edu.au/study
Defence & National Security

Get a taste of engineering before choosing your specialisation

Bachelor of Engineering (Honours) – Flexible Entry

Embark on a first-year engineering degree without choosing the engineering specialisation you wish to pursue with the Bachelor of Engineering (Honours) – Flexible Entry. At the end of your first year, you can transition to a tailored engineering degree of your choice without having to study the standard four-year course.

A pathway with a guaranteed entry to engineering

Bachelor of Engineering (Honours) – General Entry

Flinders’ general entry pathway to the Bachelor of Engineering (Honours) provides guaranteed entry for students who have passed SACE stage two general mathematics or SACE stage one mathematics. The course includes additional mathematics and physics, enabling students to transfer into and complete any of Flinders’ Bachelor of Engineering (Honours) degrees in 4.5 years or less.

Real-world opportunities

Flinders students have the opportunity to apply for a range of defence-related scholarships or internships with major defence companies such as BAE Systems, Lockheed Martin, Northrop Grumman, Boeing Defence, Naval Group, Thales, Defence Science and Technology Group and ASC.

Scholarships available

Flinders University in collaboration with Defence Science and Technology are excited to offer scholarships for high-performing Australian students who enrol in the combined Bachelor of Engineering Technology (Electronic Systems and Security)/Bachelor of Science (Physics) course. Apply to SATAC now.

No. 1 SA university for learner engagement, skills development, student support and starting salary*

*The Good Universities Guide 2020 (undergraduate), public SA-founded universities only.

Defence & National Security

Choose from a range of degrees, including:

Bachelor of Engineering (Civil) (Honours)

Civil engineering deals with the design and construction of major physical infrastructure, including buildings, roads and railways, bridges, airports, dams and pipelines. The problems to be addressed in working with the natural environment, particularly in a low-carbon economy, mean that civil engineering is an exciting and wide-ranging discipline.

Bachelor of Engineering (Electrical and Electronic) (Honours)

Electrical engineering is concerned with large-scale electrical systems including renewable power generation and electric motors. Electrical engineering focuses on lower-voltage systems such as computer systems, communication networks and integrated circuits. Together they are critical for next-generation applications such as autonomous vehicles, space technology, smart cities and a low-carbon economy.

Bachelor of Engineering (Maritime) (Honours)

Specialise in naval architecture, ocean engineering, or marine and offshore systems by studying maritime engineering at Flinders University. The Bachelor of Engineering (Maritime) (Honours) has been developed to serve the needs of the maritime engineering design, construction and related industries.

The course is recognised internationally by the Royal Institute of Naval Architects and the Institute of Marine Engineering, Science and Technology, preparing you to become a professional engineer in the maritime engineering industry.

Access state-of-the-art experimental facilities at Flinders University and the Australian Maritime College in Launceston and prepare for career opportunities available in Australia, Europe, USA, UK and Asia.

Bachelor of Engineering (Mechanical) (Honours)

Push mechanical systems to the limit in a challenging and rewarding field. Build a hands-on career with real-world applications. Learn to design, construct and operate mechanical systems.

Bachelor of Engineering (Robotics) (Honours)

Create a career designing the robot workforce of the future. This degree will see you graduate with the latest in robotics technologies, preparing you to become a key player in developing the robots that will populate our future. High-achieving students can use the Bachelor of Engineering (Robotics) (Honours) as a pathway into a Master of Engineering (Electrical and Electronic).

Bachelor of Engineering (Software) (Honours)

This degree has been specifically created for students looking to work as professional software engineers and provides you with a solid foundation in the technical and professional skills and knowledge required to pursue a successful career in the software industry.

Bachelor of Engineering Science

In this degree you’ll gain the foundations for further study in engineering or for a career in an engineering-related field. The degree offers specialisations in biomedical engineering, civil engineering, electrical and electronic engineering, mechanical engineering, software engineering, and design and technology.

Bachelor of Engineering Technology (Systems and Security)

Developed in collaboration with the Defence Science and Technology Group within the Department of Defence, this course comprises a wide range of communication mediums including radar, radio and microwave. A particular focus will be placed on technologies that adopt these in conjunction with studies in signal processing, infrared imaging systems, multi-spectral sensing, satellite communications, computer networks and telecommunications.

Bachelor of Engineering Technology (Systems and Security)/Bachelor of Science (Physics)

This four-year combined degree represents a unique and exciting pathway to work in a cutting-edge, high-technology area. Paired with the Bachelor of Science (Physics), the Bachelor of Engineering Technology (Electronic Systems and Security) has been designed to develop future-ready graduates to help government, industry and academia tackle the most challenging security problems facing Australia.

Bachelor of Information Technology (Network and Cybersecurity Systems)

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

Be a power-player and build a career in our networked society. This degree will equip you with a comprehensive understanding of computer security, communications technology, administration, network engineering, enterprise systems and information networks.

Bachelor of Mathematical Sciences

Bachelor of Mathematical Sciences (Honours)

Mathematics is the foundation of many industries. Demand for mathematics graduates is particularly strong in areas including science, engineering, technology and business, and in areas as diverse as linguistics and health. The degree is designed to produce industry-focused graduates who are in demand in a range of careers that use mathematics.

Bachelor of Business (International Business)

Develop advanced skills and knowledge relating to international trade and prepare yourself for a global career. Learn how culture, language, political systems and socio-economic factors affect international business practice in core business disciplines of finance, marketing, human resource (HR) management and global sustainability.

Bachelor of Business (Management) (Online)

Build the foundations of a rewarding management career by combining studies across all areas of business practice, including planning, decision-making, e-business, marketing, and HR and strategic management.

Bachelor of Computer Science

Bachelor of Computer Science (Honours)

Gain the applied skills, tools and techniques to work as a professional software developer and designer. 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 all aspects of computing technologies, prepared for an exciting career.

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.
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

Flinders’ Adelaide campuses include our main Bedford Park campus and Flinders at Tonsley, which features close links to industry. Our newest campus is the stunning Flinders at Festival Plaza on North Terrace, right beside the Adelaide Railway Station.

Take a virtual tour of Flinders University and explore our amazing locations.

Flinders at Festival Plaza

Flinders University’s cutting edge, vertical campus offers a new way of learning in the heart of the city. Flinders at Festival Plaza has been designed for flexibility, collaboration and immersion. Here, students will gain the knowledge and practical skills they need to confidently step into their careers.

Spanning eight levels, with multiple state-of-the-art teaching spaces, Flinders’ new city campus is designed for innovative and adaptable learning, catering to an extensive range of study programs. Every floor has dedicated spaces for students to come together, learn from industry experts and be inspired by a world of learning possibilities.

Flinders at Festival Plaza — opening 2024

Flinders at Festival Plaza

Engineering, Defence, Computer Science & IT 2024
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

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:
adelaidemetro.com.au/routes/gawc

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.

Gawler to Festival Plaza in 48 minutes

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.

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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.
Get more out of your study

Begin your journey to a successful career

Pathways to 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

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 Human Resource Management
- Bachelor of 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 - Legal Practice Entry
- Bachelor of Laws (Honours) - Legal Practice Entry
- Bachelor of Science
- Bachelor of Science (Forensic and Analytical Science)

Flinders diplomas

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 40 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/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/unistest

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

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flinders.edu.au/unistest

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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

If you have secondary education

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.
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.

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

Special Tertiary Admissions Test (STAT)

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 eligible to transfer to study at Flinders University using your grade point average (GPA).

TAFEmark
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.

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 you gain an 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/tlc

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.

students.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
Glossary

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
Enroll in your subject/topics at students.flinders.edu.au/my-course/enrolment

When can I start?

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 12024 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

Flinders offers two admissions cycles each year for undergraduate degrees.

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.

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.

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

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Engineering, Defence, 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: June 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.