Engineering, Defence, Computer Science & Information Technology

2025

Engineering | Computer Science | Artificial Intelligence | Defence & National Security
Information Technology | Engineering Technology | Mathematics | Robotics

Flinders.edu.au

At Flinders, it's all about your global career

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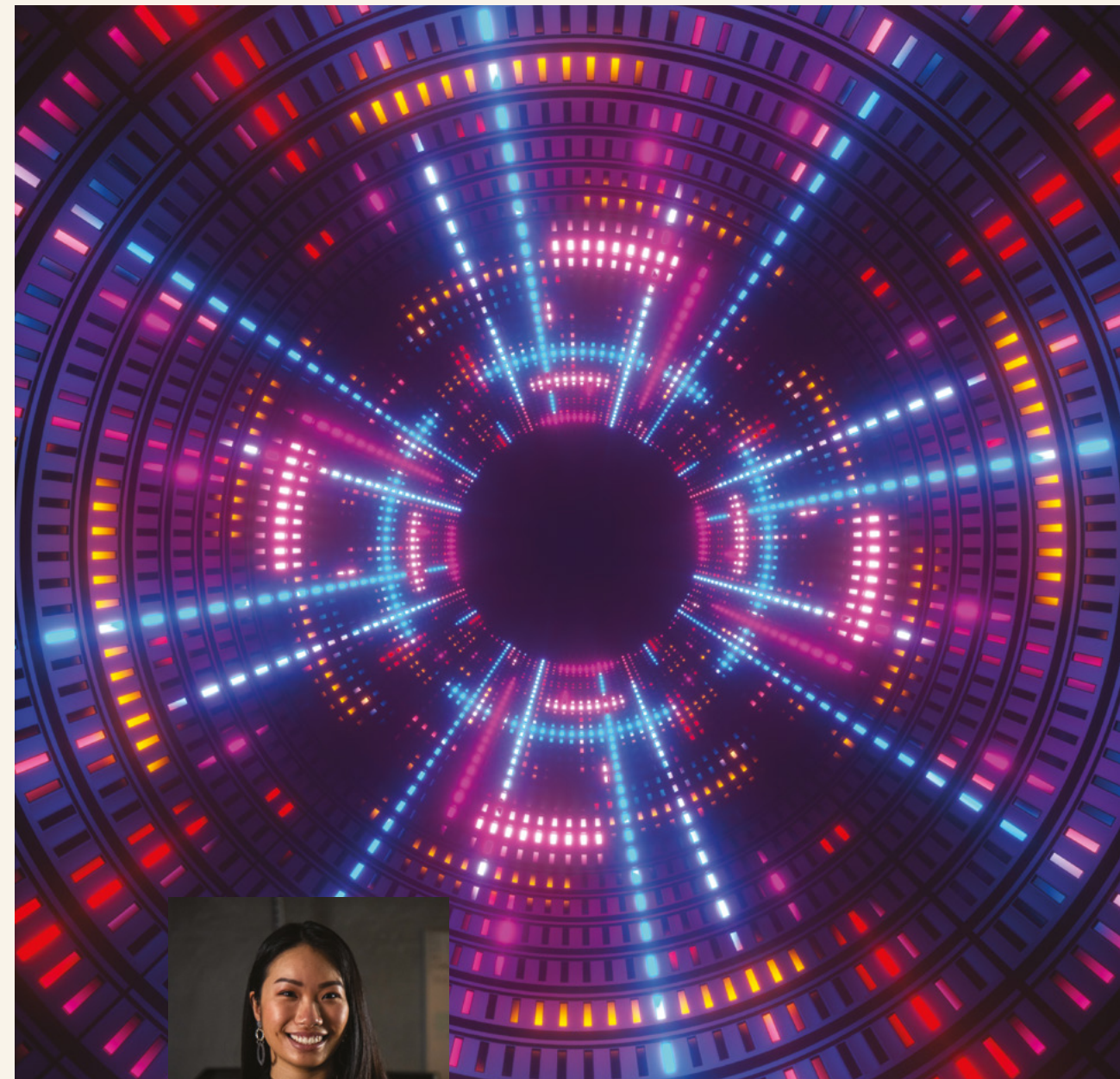
"Engineering is such an exciting field because it's always changing and evolving, which means that the problems we're faced with today will be completely different in a decade's time. This degree has equipped me with the skills I need for a strong start in the field I'm pursuing, in both technical and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

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

Engineering degrees

Flinders' engineering degrees are offered in close collaboration with industry. You'll be plugged into our $120 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 ZEN Energy, Tesla, Micro-X and Rockwell Automation.

Find out everything you need to know about studying Engineering at Flinders by scanning the QR code or visiting flinders.edu.au/engineering

Scan to find out more

Bachelor of Design and Technology

This degree prepares you to solve problems and create commercial solutions 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.
- Gain practical, hands-on exposure to the cutting-edge equipment and facilities of Flinders University's new technology precinct at Tonsley.
- You'll have the chance to participate in a 12-week industry work integrated placement

Bachelor of Engineering (Biomedical) (Honours)

In this degree 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.

- 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.

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

Take a pathway that enables high-achieving students to undertake what is normally a six-year course of study in only five years. Gain the skills to investigate, plan, design, manufacture and maintain systems and equipment that are used in all aspects of health care.

- Flinders' biomedical and materials engineering research is world class, and graduates have won Monash Scholarships, Fulbright Scholarships, Churchill Fellowships and Menzies Scholarships.
- 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.

Bachelor of Engineering (Civil) (Honours)

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.

- Learn to plan, design, build and maintain buildings, infrastructure and resources. Learn in purpose-built civil engineering labs and facilities in the new technology precinct at Tonsley.
- A degree in civil engineering allows for pathways into design, consulting, construction and project management. These are all jobs in ongoing high-demand areas.
- Nationally recognised integrated work placement with a local, national or international organisation gives you practical industry experience.

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

The civil engineering component of this course covers 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.

- Prepares you to plan, design, build and maintain buildings, infrastructure and resources.
- Learn in purpose-built civil engineering labs and facilities in the new technology precinct at Tonsley.
- Gain the skills and experience to manage large-scale, complex projects, executive organisation skills, and business and boardroom skills.

Bachelor of Engineering (Electrical and Electronic) (Honours)

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.

- The electrical and electronic engineering degree at Flinders allows you to specialise in four areas: advanced electrical engineering, advanced electronic engineering, computer and network systems, and electronic systems and security.
- Our nationally recognised 20-week integrated work placement gives you practical industry experience.
- You will develop both the practical skills and theoretical knowledge needed to design and build electrical and electronic systems and devices.

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

Many companies want engineers that combine the skills of electrical and electronic engineers with those of mechanical engineers. This combined degree takes all the advantages from both degrees, both of them accredited at the professional level.

- This degree combination is unique in South Australia.
- You will develop both the practical skills and theoretical knowledge needed to design and build engineering solutions to both mechanical and electrical and electronic engineering problems.
- Study in world-class facilities in the new technology precinct at Tonsley.

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

The electrical and electronic engineering component of this course provides both a theoretical and a practical basis of electrical and electronic systems. 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.

- Choose from three majors: Advanced Electrical Engineering, Advanced Electronic Engineering, and Electronic Systems and Security.
- Our nationally recognised 20-week integrated work placement gives you practical industry experience.
- Gain business management skills that'll ensure you succeed at every level of the engineering industry.

Bachelor of Engineering (Environmental) (Honours)

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.

- Integrates with Flinders world-class research in environmental science and engineering.
- Our nationally recognised integrated work placement gives you practical industry experience.
- You will develop both the practical skills and theoretical knowledge needed to design and build engineering solutions to environmental problems.

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.

- This degree combination is unique in South Australia.
- Our nationally recognised integrated work placement gives you practical industry experience.
- You will develop both the practical skills and theoretical knowledge needed to design and build engineering solutions to both civil and environmental problems.

Bachelor of Engineering (Maritime) (Honours)

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.

- You can specialise in naval architecture, ocean engineering, or marine and offshore systems.
- You'll have access to state-of-the art experimental facilities at Flinders University and the Australian Maritime College in Launceston.
- Complete a professional work placement with a maritime engineering company as part of your studies.

Bachelor of Engineering (Mechanical) (Honours)

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.

- You'll have access to purpose-built, state-of-the-art teaching and laboratory facilities and heavy engineering pods at Tonsley.
- You can put your mechanical engineering skills to the test in a range of national competitions like the Solar Car Challenge and Weir Warman Design Competition.
- Undertake a 20-week industry placement program of structured work experience with a local, national or international organisation.

Engineering degrees

Flinders' engineering degrees are offered in close collaboration with industry. You'll be plugged into our $120 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 ZEN Energy, Tesla, Micro-X and Rockwell Automation.

Find out everything you need to know about studying Engineering at Flinders by scanning the QR code or visiting flinders.edu.au/study/engineering

Scan to find out more

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

Take a pathway that allows high-achieving students to complete a program of study in mechanical and biomedical engineering in only five years. You will study a variety of areas including dynamics, engineering design, biomechanics and biomedical instrumentation.

- You'll have access to purpose-built, state-of-the-art teaching and laboratory facilities and heavy engineering pods at Tonsley.
- You'll study a variety of areas including dynamics, engineering design, biomechanics and biomedical instrumentation.
- Undertake a 20-week industry placement program of structured work experience with a local, national or international organisation.

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

The mechanical engineering component of this course provides 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.

- Prepares you to plan, design, build and maintain complex mechanical devices.
- Access purpose-built, state-of-the-art teaching and laboratory facilities and heavy engineering pods at Tonsley.
- Nationally recognised integrated work placement gives you practical industry experience.

Bachelor of Engineering (Robotics) (Honours)

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.

- 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.
- Undertake a 20-week industry placement program of structured work experience with a local, national or international organisation.

Bachelor of Engineering (Robotics) (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.

- You'll study a robotics degree based on key elements of the latest robotics technology and learn about electronics, computer control, signal processing, development and application of robots.
- Continue to a Master of Engineering (Electrical and Electronic) to open up even more career opportunities.
- There are opportunities to take your studies overseas with a student exchange program.

Bachelor of Engineering (Software) (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.
- Develop practical skills in programming, testing, network engineering, operating systems, design and automation, and signals and systems.
- You'll have access to purpose-built, state-of-the-art teaching and laboratory facilities at Tonsley.

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.

- Study a course developed with a huge input from industry, so you'll be job-ready when you graduate.
- You'll have access to purpose-built, state-of-the-art teaching and laboratory facilities at Tonsley.
- Major in Mechanical, Robotics or Electrical and Electronic specialisations.

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.

- Graduates from this course are ready to tackle the most challenging security problems facing Australia, both today and in the future.
- Includes placements and projects in collaboration with the government and defence industry, but with applicability well beyond defence.
- Access the state-of-the-art facilities at the Tonsley campus.

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. The pairing of a Bachelor of Engineering Technology with a Bachelor of Science in Physics represents a pathway to a highly paid and long career at the forefront of electronic and electromagnetic technologies.

- This course is unique in Australia. Obtain two degrees in four years of full-time study.
- Includes placements and projects in collaboration with the government and defence industry, but with applicability well beyond defence.
- Developed in collaboration with the Defence Science and Technology Group within the Department of Defence.

Bachelor of Mathematical Sciences

Bachelor of Mathematical Sciences (Honours)

In these courses, 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.

- Your studies will focus on both pure and applied mathematics, and statistics.
- You can choose topics in other disciplines that use applied mathematics, such as medicine, business, physics and the environment.
- You'll develop advanced research, communication and technical skills.

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.

- Begin your engineering studies before deciding on your specialisation after one year.
- Provides a pathway to an accredited degree in an engineering field of your choice.
- Learn the fundamental science that underpins engineering and how to apply those principles in practice.

Bachelor of Engineering (Honours) – General Entry

A pathway 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.

- Provides guaranteed entry to all of Flinders' engineering degrees.
- Students can transfer to a named Bachelor of Engineering (Honours) degree as soon as they can demonstrate competence in mathematics and physics.
- Extends the normal completion time for a full Bachelor of Engineering (Honours) by at most one semester.

Bachelor of Engineering Science

Develop the practical skills you'll need for a rewarding career and graduate work-ready. In this degree, you'll gain the foundations for further study in engineering or for a career in an engineering-related field.

- With no prerequisites or assumed knowledge, you'll learn the fundamental science that underpins engineering and how to apply those principles in practice.
- You can choose a specialisation in biomedical, civil, electrical and electronic, mechanical or software engineering.
- The degree provides a pathway to a four-year accredited Bachelor of Engineering in an engineering field of your choice.

Computer Science & Information Technology

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

Find out everything you need to know about studying computer science and information technology at Flinders by scanning the QR code or visiting flinders.edu.au/computer-science-information-technology

Scan to find out more

Bachelor of Computer Science

Bachelor of Computer Science (Honours)

Gain the practical experience required to design efficient, reliable software that meets industry standards. 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.

- 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.

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 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 develop in-demand skills to use and build systems that can analyse data and make intelligent decisions, and interact with users through intelligent multimodal interfaces.
- Choose to undertake a 12-week industry placement in your final year or undertake a group project at the university supported by project management training.

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.

- 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.

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.

- Study at a university that leads Australia in implementing and teaching the latest geospatial technologies.
- Gain practical experience and develop on-the-job use of a range of relevant digital technologies in our dedicated Spatial Information Systems Laboratory.
- Develop contacts and work skills through an industry placement in an environmental agency.

Bachelor of Geospatial Information Systems / Bachelor of Surveying

Start your amazing journey to become a surveyor. Flinders University is the only South Australian University offering education in surveying, with a four-year double degree combining a Bachelor of Geospatial Information Systems and Bachelor of Surveying. It will enable graduates to qualify as registered surveyors in South Australia.

- Study the only undergraduate surveying degree in South Australia.
- You'll be in demand, with demand for surveyors and spatial scientists expected to increase; current estimates say surveying and geospatial completions need to increase 117.1% to 920 people per year to meet future demand over the next decade.*
- Gain practical experience and develop on-the-job use of a range of relevant digital technologies in our dedicated Spatial Information Systems Laboratory.

* (Determining the Future Demand, Supply and Skills Gap for Surveying and Geospatial Professionals: 2022 - 2032 January 2023 report).

Bachelor of Information Technology

Bachelor of Information Technology (Honours)

Gain the practical experience required to design efficient and 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.

- 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.
- 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.

Bachelor of Information Technology (Business and Information Systems)

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

These courses produce IT professionals ready to manage and innovate in any challenging business IT environment. Graduates 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.

- 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.

Bachelor of Information Technology (Data Analytics)

Bachelor of Information Technology (Data Analytics) (Honours)

Gain the skills to develop systems to analyse, manage and bring insight to large volumes of complex information. Graduates 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.

- 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.
- Study in our $120 million science and technology precinct at Tonsley.

Bachelor of Information Technology (Digital Forensics)

Bachelor of Information Technology (Digital Forensics) (Honours)

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.

- 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.

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, health care, marketing or for social change.

- Develop your skills in computing, IT and cybersecurity.
- Your studies will cover all cutting-edge developments in communications technology like fibre optic technology, cloud computing, and social networking and media.
- You'll learn how to design electronic communications systems that maximise safety and security.

Computer Science & Information Technology

Find out everything you need to know about studying computer science and information technology at Flinders by scanning the QR code or visiting flinders.edu.au/computer-science-information-technology

Scan to find out more

Bachelor of Information Technology (Machine Learning)

Bachelor of Information Technology (Machine Learning) (Honours)

These courses produce IT professionals ready to innovate and develop the next generation of machine learning and artificial intelligence based applications. Graduates will be able to develop sophisticated solutions to complex problems using machine learning techniques and tools.

- 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.

Bachelor of Information Technology (Network and Cybersecurity Systems)

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

Gain 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.

- Develop your skills in computing, IT and cybersecurity.
- Your studies will cover all cutting-edge developments in communications technology like fibre optic technology, cloud computing, and social networking and media.
- 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.

Undergraduate Certificate in Industry 4.0

This course 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.

- Study 100% online for six months and transform your career for a digital world.
- You'll be exposed to key skills for workplaces of the future.
- The program also provides a pathway or credit into the Diploma of Digital Technologies and the Bachelor of Information Technology.

Undergraduate Certificate in Mathematics

Designed to upgrade your foundational mathematics skills, this course will fast-forward your career prospects in STEM areas with a solid grounding in maths and applied coding skills. Expose yourself to calculus, algebra and functions, learn how to develop mathematical models and solutions for problems from a broad range of contexts, learn electronics and microprocessor programming, and become an effective communicator in mathematical and STEM-related disciplines.

- Increase your capability in mathematics.
- One year part-time online, plus a one-week intensive component.
- This certificate offers a pathway into further engineering education.
- Gain credit towards our engineering, IT, computer science, science, and mathematical science undergraduate programs.

Defence & National Security

Flinders University works closely with the defence industry in education, research and development.

Providing world-class research and a range of defence-oriented degrees across diverse fields such as business, science, engineering and information technology, Flinders delivers work-ready graduates and innovative research and development that keeps the University on the front line of the defence and national security industries.

Scan to find out more

The combination of cutting-edge research and high-quality teaching makes Flinders the perfect option for anyone interested in the defence industry.

Nuclear major

Flinders is excited to be offering a new major in nuclear engineering that will give graduates opportunities to prepare for future industries, including shifting our submarines from diesel to nuclear power.

Students undertaking the Bachelor of Engineering (Mechanical) or (Electrical and Electronic) will be able to complete this exciting new major.

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.

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.

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.

Our campuses

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

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

Getting to Flinders

Flinders is well connected to Adelaide by bus and train. The Flinders Railway Line gets you from our new city campus to Tonsley in a super-fast 20 minutes, or to Bedford Park in just 22 minutes.

Explore all our transport options.

Flinders University's cutting-edge, vertical campus offers a new way of learning in the heart of the city. Flinders' city campus 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' City Campus

Applying to study

How to apply

Applying to study at Flinders is easy, but there are some steps you'll need to follow. Applicants need to apply through the South Australian Tertiary Admissions Centre (SATAC).

You'll find application dates and details at:

satac.edu.au

Before you apply

Visit the course page you're interested in via the QR codes in this brochure, or via flinders.edu.au/study to make sure you have all the information and admission criteria you need, such as prerequisites and assumed knowledge.

You may also want to explore alternative pathways to your degree or combined degrees.

After you've applied

Once you've received an offer to a course, visit

students.flinders.edu.au/my-course/enrolment to enrol in your subject/topics.

Fees and charges

As an undergraduate student your course is Commonwealth supported provided you're an eligible Australian citizen, New Zealand citizen or permanent resident. This means that your course fees are shared between the Australian government and you. You may then choose to apply for a HECS-HELP loan to pay your student contribution amount. Find out more at:

flinders.edu.au/fees

If you have any questions

Feel free to contact us via phone, email or through a one-on-one appointment. We're always happy to help.

flinders.edu.au/study/contact-us

Starting at Flinders

When can I start?

Flinders offers two admissions cycles each year for undergraduate degrees. Semester 1 starts in March. If you've decided to take a break from schooling, you may decide to start mid-year in Semester 2, which starts in July. Note that not all degrees offer a Semester 2 start, so check the relevant course page via:

flinders.edu.au/study

Applications for both Semester 1 and Semester 2 open the previous August.

Key dates

Semester 1 Orientation week: 24 February 2025

Semester 1 2025 start date: 3 March 2025

Semester 2 Orientation week: 21 July 2025

Semester 2 2025 start date: 28 July 2025

Student support

Student support at Flinders starts from well before you apply. Our Flinders Support and Services Directory (students.flinders.edu.au/support) covers:

- health and wellbeing
- study and learning
- financial support and assistance
- enrolment and course support
- admin and technology
- careers and employment
- security
- Indigenous student support

Our support team is on hand to answer any questions you might have via phone, email or 1-on-1 sessions. If you have any questions, contact us via:

flinders.edu.au/study/contact-us

Flinders Living

Flinders is the only university in Adelaide that gives you the opportunity to live on campus.

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.edu.au

Yungkurrinthi Student Engagement

Yungkurrinthi Student Engagement provides a range of services and supports for Aboriginal and Torres Strait Islander students.

flinders.edu.au/study/indigenous-students

Glossary

There are many terms used within a university that may be unfamiliar or confusing. The link below contains a list of common university terminology.

students.flinders.edu.au/glossary

Flinders scholarships

Flinders offers a generous range of scholarships for students in undergraduate courses. With over 400 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

Work Integrated Learning

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.

flinders.edu.au/WIL

Combined degrees

Explore your interests and unlock more career opportunities by combining degrees. 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.

For a full list of combined degree options visit:

flinders.edu.au/combineddegrees

Admission Pathways

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.

flinders.edu.au/pathways

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.

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 for most courses.

Year 12 Grades Entry Scheme

Upon SACE completion, by using three of your best Year 12 grades, you can gain a place in your course of choice. This is in addition to being considered on any other pathway for which you are eligible.

Indigenous Admission Scheme

The Indigenous Admission Scheme provides an alternative pathway for Aboriginal and Torres Strait Islander people. Visit:

flinders.edu.au/indigenousadmissions

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.

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

Engineering degrees

For further information on entry requirements, pathways, career outcomes and more, scan the QR code or visit flinders.edu.au/study/engineering

Bachelor degrees	SATAC CODE (^ AT FESTIVAL PLAZA)	2024 SELECTION RANK	2024 GUARANTEED SELECTION RANK	YEARS FULL-TIME	DEFERRABLE	TAFELINK	PATHWAY DEGREES	ADDITIONAL ENTRY REQUIREMENTS
Design and Technology	244591	70	75	3	Yes	Cert IV and above	Science (234511)	None
Engineering (Biomedical) (Honours) / Master of Engineering (Biomedical)	224861	95	95	5	Yes	Adv Dip or above	Engineering (Biomedical) (Honours) (224861), Engineering (Honours) Flexible entry (234931, 284301^), Engineering (General Entry) (244441, 284311^), Engineering Science (214811, 284341^)	SACE stage two specialist mathematics or mathematical methods or equivalent.
Engineering (Biomedical) (Honours)	224781	75	80	4	Yes	Dip or above	Engineering (Honours) Flexible entry (234931, 284301^), Engineering (General Entry) (244441, 284311^), Engineering Science (214811, 284341^), Science (234511)	SACE stage two specialist mathematics or mathematical methods or equivalent.
Engineering (Civil) (Honours) / Master of Engineering Management	244741	90	95	5	Yes	Adv Dip or above	Engineering (Civil) (Honours) (224791, 284281^), Engineering (Flexible Entry) (234931, 284301^), Engineering (General Entry), Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two mathematical methods or equivalent.
Engineering (Civil) (Honours)	224791, 284281^	75	80	4	Yes	Dip and above	Engineering (Honours) Flexible entry (234931, 284301^), Engineering (General Entry) (244441, 284311^), Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two mathematical methods or specialist mathematics equivalent.
Engineering (Electrical and Electronic) (Honours) / Master of Engineering (Mechanical)	244571	95	95	5.5	Yes	Adv Dip or above	Engineering (Electrical and Electronic) (Honours) (244431, 284291^), Engineering (Honours) Flexible entry (234931, 284301^), Engineering (General Entry) (244441, 284311^), Engineering Science (214811, 284341^)	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two specialist mathematics or mathematical methods or equivalent.
Engineering (Electrical and Electronic) (Honours) / Master of Engineering Management	244751	90	95	5	Yes	Adv Dip or above	Engineering (Electrical and Electronic) (Honours) (244431, 284291^), Engineering (Honours) Flexible entry (234931, 284301^), Engineering (General Entry) (244441, 284311^), Engineering Science (214811, 284341^),	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two specialist mathematics or mathematical methods or equivalent.
Engineering (Electrical and Electronic) (Honours)	244431, 284291^	75	80	4	Yes	Dip and above	Engineering (Honours) Flexible entry (234931, 284301^), Engineering (General Entry) (244441, 284311^), Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two specialist mathematics or mathematical methods
Engineering (Environmental) (Honours)	244401	75	80	4	Yes	Dip and above	Engineering (Honours) Flexible entry (234931, 284301^), Engineering (General Entry)(244441, 284311^), Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two specialist mathematics or mathematical methods or equivalent.
Engineering (Environmental) (Honours) / Master of Engineering (Civil)	244561	95	95	5	Yes	NA	Engineering (Environmental)(Honours) (244401), Engineering (Honours) Flexible entry (234931, 284301^), Engineering (General Entry) (244441, 284311^), Engineering Science (214811, 284341^),	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two specialist mathematics or mathematical methods or equivalent.
Engineering (Honours) - Flexible Entry	234931, 284301^	70	75	1	Yes	Dip and above	Engineering (General Entry)(244441, 284311^), Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two specialist mathematics or mathematical methods or equivalent.
Engineering (Honours) – General Entry	244441, 284311^	75	75	1.5	Yes	Dip and above	Engineering Science (214811, 284341^), Science (234511)	SACE stage two general mathematics or SACE stage one mathematics
Engineering (Maritime) (Honours)	234591	75	80	4	Yes	Dip and above	Engineering (Honours) Flexible entry (234931, 284301^), Engineering (General Entry) (244441, 284311^), Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two specialist mathematics or mathematical methods
Engineering (Mechanical) (Honours) / Master of Engineering (Biomedical)	224871	95	95	5	Yes	Adv Dip or above	Engineering (Mechanical)(Honours) (224831, 284321^), Engineering (Honours) Flexible entry (234931, 284301^), Engineering (General Entry) (244441, 284311^), Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two specialist mathematics or mathematical methods or equivalent.
Engineering (Mechanical) (Honours) / Master of Engineering Management	244761	90	95	5	Yes	Adv Dip or above	Engineering (Mechanical) (Honours) (224831, 284321^), Engineering (Flexible Entry) (234931, 284301^), Engineering (General Entry) (244441, 284311^), Engineering Science (214811, 284341^),	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two specialist mathematics or mathematical methods or equivalent.
Engineering (Mechanical) (Honours)	224831, 284321^	75	80	4	Yes	Dip and above	Engineering (Honours) Flexible entry (234931, 284301^), Engineering (General Entry)(244441, 284311^), Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two specialist mathematics or mathematical methods
Engineering (Robotics) (Honours) / Master of Engineering (Electrical and Electronic)	244451	95	95	5	Yes	Adv Dip or above	Engineering (Robotics)(Honours) (224841), Engineering (Honours) Flexible entry (234931, 284301^), Engineering (General Entry) (244441, 284311^), Engineering Science (214811, 284341^),	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two mathematical methods or specialist mathematics equivalent.
Engineering (Robotics) (Honours)	224841	75	80	4	Yes	Dip and above	Engineering (Honours) Flexible entry(234931, 284301^), Engineering (General Entry) (244441, 284311^), Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two specialist mathematics or mathematical methods
Engineering (Software) (Honours)	224851, 284331^	75	80	4	Yes	Dip and above	Engineering (Honours) Flexible entry (234931, 284301^),Engineering (General Entry)(244441, 284311^), Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics or equivalent is assumed. SACE stage two specialist mathematics or mathematical methods or equivalent.
Engineering Science	214811, 284341^	60	65	3	Yes	Cert IV and above	Science (234511)	None
Engineering Technology (Advanced Manufacturing and Digital Design)	244621	70	75	3	Yes	Dip and above	Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics and mathematics or equivalent is assumed.
Engineering Technology (Systems and Security) / Bachelor of Science (Physics)	244711	70	75	4	Yes	Dip and above	Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics and specialist mathematics or mathematical methods is assumed.
Engineering Technology (Systems and Security)	244701	70	75	3	Yes	Dip and above	Engineering Science (214811, 284341^), Science (234511)	Knowledge of SACE stage two physics and mathematics or equivalent is assumed.

Computing & Information Technology degrees

Scan to find out more

Bachelor degrees	SATAC CODE (^ AT FESTIVAL PLAZA)	2024 SELECTION RANK	2024 GUARANTEED SELECTION RANK	YEARS FULL-TIME	DEFERRABLE	TAFELINK	PATHWAY DEGREES	ADDITIONAL ENTRY REQUIREMENTS
Computer Science	214821, 284151^	63	70	3	Yes	Cert IV or above	Information Technology (214201, 284431^), Science (234511), Diploma in Arts (216031)	SACE stage two general mathematics or equivalent.
Computer Science (Artificial Intelligence) (Honours)	244231	80	85	4	Yes	Dip or above	Computer Science (Artifical Intelligance) (244231), Computer Science (214821,284151^), Information Technology (214201, 284431^), Science (234511), Diploma in Arts (216031)	SACE stage two general mathematics or equivalent.
Computer Science (Artificial Intelligence)	244221, 284841^	63	70	3	Yes	Dip or above	Computer Science (214821,284151^), Information Technology (214201, 284431^), Science (234511), Diploma in Arts (216031)	SACE stage two general mathematics or equivalent.
Computer Science (Honours)/Master of Science (Mathematics)	244731	95	95	5	Yes	NA	Computer Science (214821,284151^), Information Technology (214201, 284431^), Science (234511)	SACE stage two mathematical methods or equivalent.
Computer Science (Honours)	224431	80	85	4	Yes	Dip or above	Computer Science (214821,284151^), Information Technology (214201, 284431^), Science (234511), Diploma in Arts (216031)	SACE stage two general mathematics or equivalent.
Information Technology	214201, 284431^	60	65	3	Yes	NA	Science (234511)	None
Information Technology (Business and Information Systems) (Honours)	244821	70	75	4	Yes	Cert IV or above	Information Technology (Business and Information Systems) (244811, 284441^), Information Technology (214201, 284431^), Science (234511)	None
Information Technology (Business and Information Systems)	244811, 284441^	65	70	3	Yes	Cert IV or above	Information Technology (214201, 284431^), Science (234511)	None
Information Technology (Data Analytics) (Honours)	244841	70	75	4	Yes	Cert IV or above	Information Technology (Data Analytics) (244831, 284451^), Information Technology (214201, 284431^), Science (234511)	None
Information Technology (Data Analytics)	244831, 284451^	65	70	3	Yes	Cert IV or above	Information Technology (214201, 284431^), Science (234511)	None
Information Technology (Digital Forensics)	244641	70	65	3	None	Certificate IV or above	Information Technology (214201) (284431^), Science (234511)	None
Information Technology (Digital Forensics) (Honours)	244771	75	70	4	None	Diploma or above	Information Technology (Digital Forensics) (244641), Information Technology (214201) (284431^), Science (234511)	None
Information Technology (Game Development) (Honours)	224041	70	75	4	Yes	Dip or above	Information Technology (Game Development) (224101, 284461^), Information Technology (214201, 284431^), Science (234511), Diploma in Arts (216031)	None
Information Technology (Game Development)	224101, 284461^	65	70	3	Yes	Cert IV or above	Information Technology (214201, 284431^), Science (234511)	None
Information Technology (Honours)	224441	70	75	4	Yes	Dip or above	Information Technology (214201, 284431^), Science (234511), Diploma in Arts (216031)	None
Information Technology (Machine Learning) (Honours)	244861	70	75	4	Yes	Cert IV or above	Information Technology (Machine Learning) (244851, 284471^), Information Technology (214201, 284431^), Science (234511)	None
Information Technology (Machine Learning)	244851, 284471^	65	70	3	Yes	Cert IV or above	Information Technology (214201, 284431^), Science (234511)	None
Information Technology (Network and Cybersecurity Systems) (Honours)	224711	70	75	4	Yes	Dip or above	Information Technology (Network and Cybersecurity Systems) (224701, 284481^), Information Technology (214201, 284431^), Science (234511), Diploma in Arts (216031)	Knowledge of SACE stage two specialist mathematics, mathematical methods or equivalent is assumed.
Information Technology (Network and Cybersecurity Systems)	224701, 284481^	65	70	3	Yes	Cert IV or above	Information Technology (214201, 284431^), Science (234511), Diploma in Arts (216031)	Knowledge of SACE stage two specialist mathematics, mathematical methods or equivalent is assumed.

Flinders University

Engineering, Defence, Computer Science & Information Technology

Contact us

Our friendly staff are available to answer your questions:

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