Explore science from its core...

to the outer limits

At Flinders, it’s all about your scientific career

Our science degrees are taught by experts in their fields, including multiple-award-winning researchers and world-renowned scientific innovators whose discoveries are changing the ways we look at and interact with the world around us.

“The work placement teaches you how to apply your knowledge in an unstructured way, which is very different to the type of stuff you will do in university. Micro-X* has given me the opportunity to meet and work with lots of experienced industry professionals with very diverse backgrounds in different fields. I’ve been in meetings and on calls with people who work all around the world.”

David Bunting
Bachelor of Science (Honours) (Physics)

* Micro-X Ltd is an award-winning ASX listed X-ray technology company
Environment degrees

With an environmental degree, you’ll gain the skills and practical experience required to address challenges – such as climate change, biodiversity loss, deforestation, air and water pollution and species extinction – with an understanding of the political and developmental dimensions to global threats.

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

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.

- Study at a university that leads Australia in implementing and teaching the latest geospatial technologies. Study a secondary area including archaeology, biology, geography and environmental studies.
- 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 at Flinders

Start your amazing journey to become a surveyor. Flinders University is the only South Australian University offering education that will enable graduates to qualify as registered surveyors 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% from 11.6% to 900 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 Science (Biodiversity and Conservation)

Bachelor of Science (Honours) (Biodiversity and Conservation)

The world has never been more attuned to environmental issues or the need for solving critical-thinking skills who can help us reduce our impact and plan wisely for the future.

- Learn the principles of reserve design, habitat restoration and other measures of conserving species affected by human impacts.
- Get hands-on experience by developing your lab skills, conducting experiments and going on fieldtrips.
- Work with industry on real-life conservation projects and biodiversity management.

Bachelor of Science (Environmental Science)

Bachelor of Science (Honours) (Environmental Science)

This degree focuses on understanding, monitoring and improving the environment. Expand your knowledge, obtain hands-on practical skills and develop critical-thinking skills about environmental issues and problems.

- Examine how natural processes and their changes impact human society and how human activities interact with and modify environments.
- Understand the components of the earth system: atmosphere, biosphere, hydrosphere and geosphere.
- There are opportunities to take your studies overseas through internships and short-term study abroad programs.

Science degrees

Studying science at Flinders means studying at a university with leading researchers and educators. Flinders’ science degrees are underpinned by strong links to industry and a wide range of research expertise in areas such as biotechnology, groundwater hydrology, and forensic and environmental science.

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

Bachelor of Arts and Science

This degree allows you to study both arts and science without having to complete a double degree.

- Select an arts and science major from over 40 disciplines and develop transferable skills highly valued in a wide range of jobs and industries.
- Develop skills in hard science with a deeper appreciation of the role of science in society.
- Develop hands-on skills through project-based learning including live industry projects, and undertake a professional placement in your final year.

Bachelor of Mathematical Sciences

Bachelor of Mathematical Sciences (Honours)

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.

- Your studies will focus on both pure and applied mathematics and statistics, and you can choose topics in other disciplines that use applied mathematics, such as medicine, business, physics and environmental science.
- Develop advanced research, communication and technical skills.
- Focus on advanced pure and applied mathematics in our Mathematical Sciences Laboratory.

Bachelor of Science (Honours) – Enhanced Achievers

Discover where science can take you and where you can take science. If you’re a student of exceptional academic ability, this enhanced program provides opportunities to embark upon research in every year of the degree.

- Join a cohort of highly intelligent students with similar interests and capabilities.
- Be mentored by research staff and postgraduate students in your first year.
- Undertake professional placements integral to your research training.
- Web-based course materials and video lectures are offered in some subject areas and help to make the program even more accessible.

Bachelor of Science (Biotechnology)

Bachelor of Science (Honours) (Biotechnology)

Begin a career in biotechnology, considered the growth technology of the twenty-first century – with job opportunities to match. The degree is underpinned by knowledge in entrepreneurial and corporate biotechnology.

- Combine theory and specialised practical training in the life sciences with the study of related business, legal, ethical and social issues.
- Participate in one-on-one mentoring sessions with industry and medical research leaders.
- Understand science in the global market through commercialisation, entrepreneurship, financial management and business.

Explore our science majors

Flinders gives you the flexibility to choose from major areas of study across the University’s wide range of science disciplines, including our new nuclear major for chemistry and physics students.
Bachelor of Science (Chemical Sciences)

Bachelor of Science (Honours) (Chemical Sciences)

Build a career in the science central to all other sciences. Gain a broad-based foundation in chemistry, acquire extensive knowledge in the area and graduate job-ready.

- Learn how to understand and apply chemical principles to solve problems, master lab techniques and equipment, undertake chemistry research and communicate your findings.
- This degree provides you with practical experience that prepares you for the workplace through a professional placement in your final year.
- Have the opportunity to complete our new nuclear engineering major, offered through a partnership between Australia, the US and the UK.

Bachelor of Science (Forensic and Analytical Science)

Bachelor of Science (Honours) (Forensic and Analytical Science)

Bachelor of Science (Forensic and Analytical Science) Pathway

Work towards a fascinating career using chemistry and biology to analyse evidence, help investigate crime and contribute to justice.

- Get hands-on experience during laboratory practicals and learn how forensic technologies are applied to real-life cases.
- Your degree opens career options in areas such as illicit drug testing, DNA analysis, trace evidence examination and toxicology.
- You'll be able to access research facilities among Australia's best and undertake research in the field.

Bachelor of Science (Life Sciences)

Bachelor of Science (Honours) (Life Sciences)

This degree combines aspects of molecular biology, cell physiology and microbiology with new computational approaches to discover fundamental aspects of life.

- Develop applied and job-ready skills through comprehensive laboratory practicals that are embedded in many of the topics.
- Explore areas of biotechnology, forensic science, plant science, environmental health and biomedical engineering.
- You will integrate big data processing skills that are translatable to many different fields, even outside of science.

Bachelor of Science (Plant Science)

Bachelor of Science (Honours) (Plant Science)

This degree will have you working with plants hands-on, including oceanic algae, life-supporting crops and our precious native flora.

- Learn about plants on a molecular level, right through to whole plant ecosystems whilst being surrounded by South Australia’s unique botanical environment every day!
- Study in an environment that gives you the real lived experience of being a plant scientist.
- You’ll graduate with employer-ready skills in plant physiology, molecular biology and ecology, preparing you for a career in agriculture, horticulture, biotechnology, environment and conservation.

Bachelor of Science (Palaeontology)

Bachelor of Science (Honours) (Palaeontology)

Gain the tools necessary for palaeontological careers anywhere in the world, such as working in a museum, evolutionary studies, fieldwork, ecological/environmental research, teaching or science communication.

- Study the first and only named palaeontology degree in Australasia.
- Learn in our purpose-built palaeontology laboratories.
- Study the key stages in the history of vertebrates, including the transition to living on land and how environmental changes have shaped the evolution of modern Australian fauna.

Bachelor of Science (Physics)

Bachelor of Science (Honours) (Physics)

Gain a solid foundation in physics and mathematics, and acquire extensive knowledge in the area.

- Learn to understand physics at a deeper level, apply scientific principles in a physics context and understand the role of physics in society.
- Retrieve and present information about physics in a scientific manner, including communicating effectively with a variety of audiences.
- Have the opportunity to complete our new nuclear engineering major, offered through a partnership between Australia, the US and the UK.

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.

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.

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.

Tonsley is located centrally between Flinders University’s Bedford Park campus and Adelaide city. It’s connected to the city by train, offering convenient access 16 minutes from the city’s CBD. And Tonsley is a five-minute car ride, a 20-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.
Embedded into a southern ridge of the Bedford Park campus is Flinders’ Nature Education and Research Facility (NERF), a futuristic container construction keeping fish and lizards for conservation, educational and research purposes.

The NERF building supports ecology, molecular ecology, biodiversity and conservation, marine biology, aquaculture, microbiology and other specialist research fields – just to name a few!

Providing ‘hands-on’ teaching opportunities, the building facilitates enhanced research collaborations and outcomes, particularly in the areas of social and ecological research in animal behaviour.

Nature Education and Research Facility
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.

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.

Flinders University’s cutting-edge, vertical campus offers a new way of learning in the heart of the city. Flinders’ new 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’ 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.
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/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/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
## Bachelor degrees

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