Defence, cyber and space

Work in the defence, cyber and space industries offers a highly rewarding blend of challenge, discovery and purpose.

THE UNIVERSITY *of* ADELAIDE

150 YEARS

GROUP OF EIGHT AUSTRALIA

make history.

Strong employment predicted (16.8% by 2026)**

Ranked in top 75 globally for Automation and Control^

Australian Space Agency to generate 20,000 jobs by 2030†

An incredibly industry-connected environment

The University of Adelaide provides one of the most stimulating environments in the world for study related to the defence, cyber or space industries. Our main city campus stands literally next door to Lot Fourteen, Adelaide's thriving innovation and technology precinct, which includes:

- Our University's own world-leading Australian Institute of Machine Learning (AIML), the largest machine learning research centre in Australia
- The Australian Cyber Collaboration Centre (A3C), in which we collaborate with the Australian Government's Defence Science and Technology group and others
- The Australian Space Agency, Space Discovery Centre, and Mission Control Centre.

Other organisations with a Lot Fourteen presence include Microsoft Azure Space, Amazon, Inovor Technology, and the Massachusetts Institute of Technology (MIT) bigdata Living Lab—all of whom our AIML partners with in ongoing real-world research.

Huge range of degrees to choose from

Making the most of this remarkable environment, we offer a number of different degrees that can start you on your path in the defence, cyber or space industries. These range from data analytics, computer science and information technology programs, to engineering, space science and astrophysics, and mathematical sciences. We also offer South Australia's only specialist aerospace engineering degree. And whatever direction you choose, you'll have multiple opportunities to gain practical experience through workplace projects and internships.

Career prospects

Employment growth for the majority of defence, cyber and space roles range broadly from stable to very strong**.

Additionally, Adelaide holds the highest share of Australia's overall civil space pipeline and, as such, our city is home to one of the highest concentrations of space and defence-related organisations in the country‡.

*   US News Best Global Universities Rankings, 2022-23.
^   Academic Ranking of World Universities by Subject, 2023.
†   Australian Space Agency, 2021.
** Australian Government, Labour Market Insights, 2023.
‡   Invest SA, 2023.

Degrees

Undergraduate

- Bachelor of Applied Data Analytics
- Bachelor of Computer Science
- Bachelor of Computer Science (Advanced)
- Bachelor of Engineering (Honours)(Civil)
- Bachelor of Engineering (Honours)(Electrical and Electronic)
- Bachelor of Engineering (Honours)(Mechanical)
- Bachelor of Engineering (Honours)(Software)
- Bachelor of Information Technology
- Bachelor of Mathematical Sciences
- Bachelor of Mathematical Sciences (Advanced)
- Bachelor of Mathematical Sciences (Honours)
- Bachelor of Mathematical and Computer Sciences
- Bachelor of Science
- Bachelor of Science (Honours)
- Bachelor of Science (Advanced)
- Bachelor of Science (Advanced)(Honours)
- Bachelor of Science (High Performance Computational Physics)(Honours)
- Bachelor of Science (Space Science and Astrophysics)

Postgraduate coursework

- Master of Artificial Intelligence and Machine Learning
- Master of Computer Science
- Master of Computing and Innovation
- Master of Cyber Security
- Master of Data Science
- Master of Engineering (Aerospace)
- Master of Engineering (Chemical)
- Master of Engineering (Civil and Environmental)
- Master of Engineering (Civil and Structural)
- Master of Engineering (Electrical)
- Master of Engineering (Electronic)
- Master of Engineering (Mechanical)
- Master of Engineering (Mechatronic)
- Master of Engineering (Mining)
- Master of Materials Engineering
- Master of Maritime Engineering

Further enquiries