

POWER UP YOUR CAREER

Study nuclear engineering to be at the forefront of innovation

Flinders is excited to be offering a Nuclear Major in our Bachelor of Engineering (Mechanical), Bachelor of Engineering (Electrical and Electronic), Bachelor of Science (Chemical Sciences) and Bachelor of Science (Physics).

This major will provide significant opportunities for our students to be part of preparing for future industries, including shifting our submarines from diesel power to nuclear power, significantly improving Australia's defence capability. The Nuclear Major equips engineers and scientists with skills to work in a nuclear context which is in high demand in Australia and globally. It combines Flinders strength in advanced manufacturing and digital technologies with nuclear capabilities.

Nuclear engineering at Flinders University is offered through a tri-nation academic partnership between Flinders University (Australia), the University of Rhode Island (United States) and Manchester University (United Kingdom), meaning that students will have access to experts across three nations and an opportunity for international exchange.

Developed in close partnership
with industry heavyweights

International exchange
opportunities and placements
at global companies

The opportunity to fast track
your education with summer
and winter intensives

AUKUS agreement ensures that
your skills and knowledge will
make you in high demand to
employers throughout
your career

Study a Nuclear Major in

Bachelor of Engineering (Mechanical)

SATAC: 224831 (Tonsley)
SATAC: 284321 (Festival Plaza)

Bachelor of Engineering (Electrical and Electronic)

SATAC: 244431 (Tonsley)
SATAC: 284291 (Festival Plaza)

Bachelor of Science (Chemical Sciences)

SATAC: 234231
SATAC: 234381 (Honours)

Bachelor of Science (Physics)

SATAC: 234341
SATAC: 234491 (Honours)

4 years full-time Part-time available

Deferrable Fast-track option available

Career opportunities

It's predicted there will be 8000 jobs in SA required to fill skills gap in the market.

Get nuclear ready and open up a range of employment opportunities, including:

- Electrical and electronic engineer
- Engineering manager
- Geochemistry
- Mechanical engineer
- Nuclear consultant
- Nuclear engineer
- Nuclear forensics
- Nuclear governance manager
- Nuclear and radioactive materials analyst
- Nuclear risk and compliance manager
- Nuclear scientist
- Project engineer
- Radiation modelling
- Radiochemistry
- Research scientist
- Safety advisor.

Potential employers include

- Aerospace
- Defence
- Energy
- Engineering and mining
- Environmental
- Federal government
- Health sector
- Hospitals
- Marine
- Shipbuilding
- Universities.

