Your career
Graduates of the Bachelor of Advanced Computing (Honours) can work in a variety of roles. Our graduates will have knowledge wider than computing alone and are ideally positioned to shape their chosen sector now and into the future. Opportunities exist in high-tech industries, software start-up companies, computing research and development organisations as well as specialist computing companies. Many graduates go on to work in the insurance, banking, health, defence and automotive industries.

Advanced computing graduates may work as:
- Leader in the ICT industry
- Entrepreneur in ICT
- Data Mining Specialists
- Human-Computer Interaction Specialists
- Software Developers
- Game Developers

“I chose ANU because this degree is more research based than other uni’s. A lot of the courses feature the fundamentals of programming rather than the specific technologies, which you may never put into practice.”
- Caitlin Macleod
  Bachelor of Advanced Computing (Hons)
Bachelor of Advanced Computing (Honours)

ATAR 90
Years 4
UAC Code 135705
CRICOS Code 071360K

Prerequisites
Mathematical Methods (Major) ACT/Mathematics NSW
Specialist Mathematics or higher is preferred
Physics (recommended)

If you are interested in finding out what drives companies like Google, Microsoft, Apple or Facebook, then you are looking at the right degree.

This unique, interdisciplinary degree will prepare you to be a future leader of the ICT revolution.

You’ll learn advanced computing techniques while also developing professional skills in areas of entrepreneurship and management.

With a Bachelor of Advanced Computing (Honours) from ANU you will be prepared to shape your chosen sector of the computing industry.

While some of our students are flying unmanned aerial vehicles 15,000 kilometres away, others are busy writing algorithms to mine through Petabytes of data. If mastering challenging projects is your thing, the ANU Bachelor of Advanced Computing can launch you into a spectacular career.

Majors
Along with studying the core courses of this degree, you will also take a major in an area of interest.

What is a major?
A major consists of eight courses. Some students can also take up a minor (four courses). Take a look at our majors below, and some of the courses you can study in each.

Computational Foundations
- Games, Graphs and Machines
- Logic
- Principles of Programming Languages

Computer Engineering
- Digital Systems and Microprocessors
- Computer Networks
- Wireless Communications

Human-Centric Computing
- Art and Interaction in New Media
- Human Computer Interface Design and Evaluation
- Computer Graphics

Information-Intensive Computing
- Bioinformatics and Biological Modelling
- Advanced Databases and Data Mining
- Introduction to Remote Sensing and Geographic Information Systems

Intelligent Systems
- Artificial Intelligence
- Understanding Mind, Brain and Behaviour
- Bio-inspired Computing: Application and Interface

Dulitha Ranatunga
Software Engineer, Orion Health
Graduate, Advanced Computing (Honours)

“In high school I discovered the joys of being able to make cool things by programming. Now we use computers for everything, and I want to use it to change things for the better.”