MASTER OF DATA SCIENCE

8 GREAT REASONS TO STUDY THIS COURSE

1. Develop skills and knowledge that's **valued by many industries.**
2. Earn an **attractive salary in Australia** after you graduate.
3. **Learn contemporary programming languages,** including Python and R.
4. Support businesses and organisations to **make data driven, evidence-based decisions.**
5. **Balance your study** with other commitments through online units.
6. **Learn about Artificial Intelligence, Machine Learning** and much more.
7. Final semester includes **industry-aligned project** or **industry work experience.**
8. Open to applicants from a **range of backgrounds.**

THE NEED FOR DATA SCIENTISTS

In a world where data drives decisions, organisations are investing in their data frameworks, data reporting capabilities and data science initiatives to be at the forefront of consumer's minds. Data Scientists and Data Analytics are therefore needed across all industries.

Source: Hays Salary Guide FY21/22 Australia and New Zealand

INDUSTRY GROWTH

The US Bureau of Labour Statistics predicts a **15% rise** in industry jobs **between 2019 and 2029,** much higher than the 4% national average.

Source: www.futurelearn.com/info/insights/data-science-insights

MEDIAN SALARY

Data Scientist in Australia
$120K-$165K PER ANNUM

Source: Hays Salary Guide FY21/22 Australia and New Zealand

WHAT IS DATA SCIENCE?

Data Science is an inter-disciplinary field, drawing on mathematics, statistics, and computer science, that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from structured and unstructured data. Data Science is a significant area of growth and potential employment in Australia and the Asia-Pacific region.

ECU offers Bachelor of Science (Data Science) and Master of Data Science, which is a unique course in Australia as it blends the disciplines of Machine Learning and Computer Science.

"Computer skills are important, but understanding the bigger picture is equally important."

The knowledge economy is driven by data. Data science enables a wide variety of industries to inform future practice.

By learning to organise, analyse, visualise, and communicate their data, graduates of this degree will be well-placed to confidently enter the job market.

DR STACEY REINKE
Senior Lecturer – Applied Statistics and Bioinformatics
Head of Biochemistry & Computational Biology, Centre for Integrative Metabolomics & Computational Biology

FAST FACTS

- **Course Code:** I97
- **Course CRICOS Code:** 103286b
- **Duration:** 2 years full-time
- **Location:** Joondalup Campus or online
- **Intake:** Semester 1 (February) and 2 (July)

DATA SCIENCE SKILLS ACQUIRED DURING THIS COURSE

1. Python and R
2. Machine Learning
3. High level interpersonal and self-management skills
4. Analyze complex concepts in data science
5. Ability to initiate, prepare and deliver on plans

HIGHLY RANKED IN AUSTRALIA

In the 2022 *Good Universities Guide*, ECU received a 5 Star rating for teaching quality. This rating has now been achieved for 15 years in a row. ECU has also received the following rankings for its computing and information systems disciplines:

#1 IN AUSTRALIA
COMPUTING & INFORMATION SYSTEMS
Undergraduate Overall Educational Experience, Good Universities Guide 2022

#1 WA UNIVERSITY
COMPUTING & INFORMATION SYSTEMS
Postgraduate Full-time Employment and Median Salary, Good Universities Guide 2022

SCHOLARSHIPS

As an international student you can apply for a range of scholarships to help you with study or living costs.

www.ecu.edu.au/scholarships/offers

MORE ABOUT ECU

To learn more about our fantastic university, life in Western Australia and lots more, visit our web page.

ecuworldready.com.au/international