

Data Science Career Snapshot

Graduate Opportunities

Data Science graduates work in a range of industries **including government, tech, finance, academia, scientific research, healthcare, education, ecommerce** among others. Some common job roles include:

- Data Scientist
- Data Analyst
- Data Engineer
- Business Analyst
- Software Engineer
- Database Administrator
- Product Analyst
- Machine Learning Engineer

Further Study Options

An **Honours Year** is available for high-achieving students. It consists of extra study and the development of a personal research project and thesis. An Honours degree is usually essential for entry to research higher degrees. Please refer to the [Bachelor of Science \(Honours\)](#) page for eligibility information.

Graduates interested in a career in research and/or academia will typically follow this with either a **Master's** or a **PhD**.

Visit [JCU Research Profiles](#) for information on research interests of JCU staff and research advisors.

Career Relevant Experiences

To gain a competitive edge, BSc students may seek to **undertake additional paid or unpaid internships or work experience** during their studies. A growing number of internships and other workplace experiences are now offered virtually.

Also consider building a professional portfolio to show off your capacity to present data using dashboards such as Tableau and Microsoft Power BI.

Professional Associations

The following Professional Associations are worth investigating:

- [Data Science and AI Association of Australia](#)
- [Institute of Analytics Professionals of Australia](#)

Volunteering

Volunteering is a great way to form **professional networks, develop work skills** and **stand out from the crowd**. Students are recommended to consider:

- Volunteering for opportunities presented through their degree
- Becoming a [JCU Student Mentor](#)
- Becoming involved in [community organisations](#)
- Getting involved in [JCU Student Associations](#)

Recommended Skills

Written Communication; Analytical & Critical Skills;
Gathering & Interpreting Data; Presentation Skills;
Time management; Statistical and Computing Techniques; **Organising and Planning**

Graduate Career Portals

Check out these sites for graduate programmes, graduate jobs, internships and placements:

- [Prosple](#)
- [SEEK Grad](#)
- [Smart Jobs](#)

JCU Careers Support

The JCU Careers and Employability Team are here to support you during your studies and after you graduate:

- [JCU Careers Website](#)
- [CareerHub \(Book Careers Appointments Here\)](#)