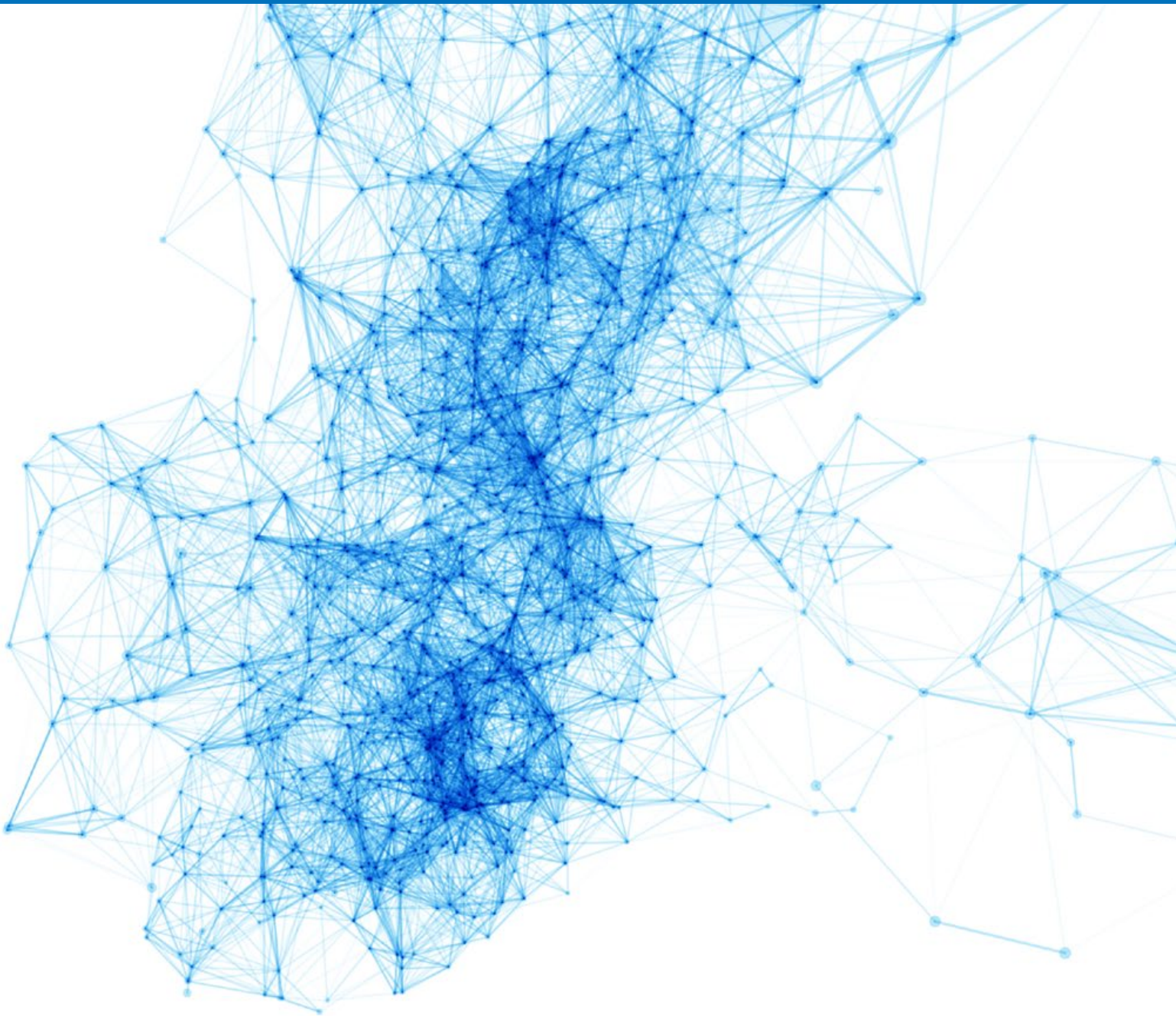




JAMES COOK
UNIVERSITY
AUSTRALIA

Master of Data Science

Delivery Mode: On Campus



Make Life Matter

jcu.edu.au

Master of Data Science



Are you looking for a future-oriented career in a research or corporate environment?

JCU's Master of Data Science is your ticket to a bigger career in one of the fastest growing professions worldwide.

As companies look to unlock the secrets hidden in data, demand for data science professionals who can mine data to deliver valuable business solutions will only increase.

Whether you want to progress or kick-start your career in data science, a Master of Data Science will set you apart.

Position yourself for success with a JCU Master of Data Science – a higher degree that will put you at the forefront of the data science revolution.

A Master of Data Science from JCU will provide you with sophisticated skills and knowledge that will open up a wealth of opportunities in today's data driven world.

At JCU, our Master of Data Science puts professionals who recognise the power of data and numbers ahead of the pack. This is an innovative and technologically dynamic postgraduate course developed in consultation with curriculum designers for optimal postgraduate learning.

Delivered by leading experts with deep academic knowledge and real-world industry experience, this Masters degree provides the foundation you need to open a wealth of opportunities in a data-driven world, and progress your career.

JCU's Master of Data Science

- Industry certified by one of the world's largest Data Science software companies - SAS - servicing 95% of the top 100 Fortune 500 companies.
- Delivered by respected interdisciplinary academics and industry leaders
- Developed in consultation with curriculum designers for optimal postgraduate learning
- Informed by an integrated industry advisory board
- Embedded Industry engagement and projects

Course overview

JCU's Master of Data Science is an innovative and industry certified course that puts professionals who recognise the power of data and numbers ahead of the pack, in one of the world's most in-demand sectors.

Subjects

Master

Graduate Diploma

Graduate Certificate

- Foundations for Data Science
- Statistical Methods for Data Science
- Data Visualisation
- Database Systems

- Programming and Data Analytics Using Python
- Essential Mathematics for Data Scientists
- Introduction to Data Mining
- Advanced Statistical Methods for Data Scientists

- Data and Information: Management, Security, Privacy and Ethics
- Big Data: Management and Processing
- Data Mining and Machine Learning
- Data Science and Strategic Decision-making
- Data Science Master Classes and Industry Projects

Entry criteria

The Master of Data Science welcomes applications from students who are able to meet the following criteria:

- A Bachelor degree (whilst not a prerequisite for entry, high numeracy skills equivalent to senior level mathematics that includes algebra and elementary differential calculus is assumed); OR
- At least five years of relevant work experience in an IT or data science-related industry. Industry experience will need to include some background in computing, data analysis or programming. Application based on relevant industry experience must be supported by a detailed CV and proof of work experience.

Applicants of non-English speaking backgrounds must meet the English language proficiency requirements of Band 2 – Schedule II of the JCU Admissions Policy. The Master of Data Science is also a pathway towards a JCU PhD.

Campus

Cairns

Start dates

March, August

Duration

2 years full time
Part time available

Study mode

On campus

Prerequisites

Bachelor Degree or at least five years of relevant work experience in an IT or data-science related industry.

Cairns Campus Start Semester 1 Start Semester 2 Course duration in years Industry Certification

