

Enrolment Course Structure

Course Code – CX9

Course Name – Master of Data Science

| First Year | Unit Code | Unit Name | Unit Rules |
|-------------------|-----------|--|---|
| Semester 1 | | | |
| | ITECH5104 | Foundations of Programming (Masters) | EX: ITECH1000 & ITECH1400 & ITECH5000 |
| | ITECH5007 | Data Science for All | |
| | STATS5000 | Statistics And R | |
| | | Elective | |
| Semester 2 | | | |
| | ITECH5500 | Professional Research and Communication | PR: ITECH1100 or ITECH5100 EX: ITECH5401 |
| | ITECH7001 | Artificial Intelligence and Machine Learning | PR: ITECH5104 EX: ITECH2111 |
| | | Elective | |
| | | Elective | |
| Second Year | Unit Code | Unit Name | Unit Rules |
| Semester 1 | | | |
| | DATSC5001 | Advanced Data Science Project 1 | PR: ITECH5500 or equivalent |
| | DATSC7003 | Experiment Design and Visualization | PR: ITECH7001 |
| | MATHS7002 | Computational Methods for Data Analysis | PR: STATS5000 |
| Semester 2 | | | |
| | DATSC5002 | Advanced Data Science Project 2 | PR: ITECH5500 or equivalent & DATSC5001 |
| | ITECH7614 | Data Analytics for Cyberthreat Intelligence | |
| | STATS7101 | Regression And Multivariate Data Analysis | PR: STATS5000 |

Approved Electives List:

Semester 1

MATHS2016, ITECH2303, ITECH2306, ITECH7407

Semester 2

MATHS1102, ITECH3109, ITECH2004, ITECH7401

Additional Information

This course structure applies to students commencing from 2024. Students who commenced prior to 2024 should refer to the continuing enrolments page.

TEQSA have advised that, in accordance with B1.1.3 of [Higher Education Standards Framework \(Threshold Standards\) 2021](#) all Higher Education Providers are required to show their TEQSA Provider number and Provider Category on all relevant public material. ITS have ensured that our website and email signature templates have been amended to ensure compliance and have provided a knowledge article to assist you to update your signatures. Marketing are working to update the brand library and all social media accounts.

Glossary

Semester: designated teaching period.

PR: Pre-requisite, a unit/s that must be completed prior to undertaking another unit.

CO: Co-requisite, a unit/s that must be completed simultaneously, or prior to, undertaking another unit.

EX: Exclusion, a unit/s that may not be taken.