

Postgraduate Course Overview

Master of Information Technology – (CRICOS 0100969) (T125 Commencing) (with a specialisation in Data Analytics)

The Master of Information Technology has 16 subjects studied over 4 trimesters.

Course Conditions:

To be permitted to enrol in this course:

1. Australian Bachelor degree (3 years) (AQF Level 7) or overseas equivalent in a cognate discipline with at least 55% average in their undergraduate OR a Graduate Certificate of IT OR a Graduate Diploma of IT at AQF level 8. This course planner assumes no Recognition of Prior Learning (RPL) has been approved and all subjects will be passed. Should either of these circumstances change, the course planner will need to be carefully planned to take into account pre-requisite subjects and available timeframes. The subjects in shaded boxes cannot be changed.

First trimester
BUS708 Statistics and Data Analysis
BUS709 Communication in Business
ICT710 IT Governance and Emerging Technologies
ICT711 Programming and Algorithms

Second trimester
ICT712 Information Technology Project Management <i>(Pre-req: 4 subjects completed)</i>
ICT713 Advanced Database Design and Development
ICT724 Intelligent systems
ICT761 Business Analytics and Business Intelligence

Third trimester
ICT728 Capstone Project 1 <i>(Pre-req: 8 subjects completed, ICT712, ICT713) (ICT729 must be enrolled in consecutive trimester) (Must be in Data Analytics field)</i>
ICT762 Data Analytics & Data Visualisation <i>(pre-req: ICT761)</i>
ICT731 Data Mining <i>(pre-req: ICT713, ICT724)</i>
ICT734 Machine Learning <i>(Co-req: ICT762)</i>

Fourth Trimester
ICT729 Capstone Project 2 <i>(Prereq: ICT728) (Must be in Data Analytics field)</i>
Data Analytics Elective/IT Elective/General elective
Data Analytics Elective/IT Elective/General elective
ICT732 Big Data <i>(pre-req: ICT713, ICT731)</i>

Electives: Provided that pre-requisites have been met, and the subject is offered in the trimester, students may choose any electives provided in this trimester from the list below (Pre-requisite shown in brackets).

IT Electives:

ICT722 Information Security
ICT725 User Experience and Mobile Application Development
ICT726 Web Development *(Pre-req: ICT711)*
ICT740 Applied Cybersecurity

Data Analytics Specialisation:

ICT723 Virtualisation and Cloud Computing
ICT733 Social Web Analytics *(Pre-req: ICT713, ICT731, BUS708)*

General Electives:

ACC700 Principles of Accounting
BUS700 Economics
BUS702 Business Law
BUS707 Applied Business Research
FIN700 Financial Management