

Postgraduate Course Overview

Master of Information Technology

(with a specialisation in Data Analytics) (CRICOS 0100969) (T126 Commencing)
The Master of Information Technology has 15 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	Second trimester
BUS708 Statistics and Data Analysis	ICT712 Information Technology Project Management (Pre-req: 4 subjects completed)
BUS709 Communication in Business	ICT713 Advanced Database Design and Development
ICT710 IT Governance and Emerging Technologies	ICT724 Intelligent systems
ICT711 Programming and Algorithms	ICT761 Business Analytics and Business Intelligence
Third trimester	Fourth Trimester
Data Analytics Elective/IT/General Elective	ICT727 Capstone Project (Pre-req: ICT712, ICT713 and 12 Subjects completed) <i>* Double-weighted subject.</i>
ICT762 Data Analytics and Data Visualisation(Pre-req:761)	<i>(Must be in Data Analytics field)</i>
ICT731 Data Mining (Pre-req: ICT713, ICT724)	Data Analytics Elective/IT/General Elective
ICT734 Machine Learning (new subject, Pre-req: ICT762)	ICT732 Big Data (Pre-req: ICT713, ICT731)

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
 ICT723 Virtualisation and Cloud Computing
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 ICT725 User Experience and Mobile Application Development
 ICT726 Web Development (Pre-req: ICT711)
 ICT740 Applied Cybersecurity (Pre-req: ICT722)
 ICT741 Digital Forensics (Pre-req: ICT722)
 ICT742 Cloud Privacy and Security (Pre-req: ICT722)
 ICT743 IoT Security (Pre-req: ICT722)
 ICT780 Cryptography
 ICT772 Cyber Security Governance, Risk and Compliance (Existing MIS subject)

Data Analytics Specialisation:

ICT730 Security Analytics
 ICT733 Social Web Analytics (Pre-req: ICT713, ICT731, BUS708)

General Electives:

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