

## Postgraduate Course Overview

### **Master of Information Technology - Cybersecurity (CRICOS 0100969) (T224 commencing)**

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.

<b>First trimester</b>	<b>Second trimester</b>
<b>BUS708 Statistics and Data Analysis</b>	<b>ICT712 Information Technology Project Management</b> <i>(Pre-req: 4 subjects completed)</i>
<b>BUS709 Communication in Business</b>	<b>ICT713 Advanced Database Design and Development</b>
<b>ICT710 IT Governance and Emerging Technologies</b>	ICT722 Information Security
<b>ICT711 Programming and Algorithms</b>	ICT740 Applied Cybersecurity
<b>Third trimester</b>	<b>Fourth Trimester</b>
<b>ICT728 Capstone Project 1</b> <i>(Pre-req: 8 subjects completed, ICT712, ICT713) (ICT729 must be enrolled in consecutive trimester) (Must be in Cybersecurity field)</i>	<b>ICT729 Capstone Project 2</b> <i>(Prereq: ICT728) (Must be in Cybersecurity field)</i>
Cybersecurity Elective/IT Elective/ General Elective	Cybersecurity Elective/IT Elective/ General Elective
ICT730 Security Analytics (Pre-req: ICT740)	ICT743 IoT Security (Pre-req: ICT722)
ICT742 Cloud Privacy and Security (Pre-req: ICT722)	ICT772 Cyber Security Governance, Risk and Compliance

**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:**

ICT723 Virtualisation and Cloud Computing  
 ICT724 Intelligent systems  
 ICT725 User Experience and Mobile Application Development  
 ICT726 Web Development *(Pre-req: ICT711)*  
 ICT731 Data Mining *(Pre-req: ICT713, ICT724)*  
 ICT732 Big Data *(Pre-req: ICT713, ICT731)*  
 ICT733 Social Web Analytics *(Pre-req: ICT713, ICT731, BUS708)*  
 ICT741 Digital Forensics *(Pre-req: ICT722)*  
 ICT780 Cryptography (Pre-req: ICT740, BUS708)

#### **General Electives:**

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

#### **Cybersecurity Electives:**

ICT741 Digital Forensics *(Pre-req: ICT722)*  
 ICT780 Cryptography (Pre-req: ICT740, BUS708)