SWINBURNE UNIVERSITY OF TECHNOLOGY

Master of Information Technology
MA-IT1
Specialisation in Data Science

Recommended Sequence

Units are listed on your Course Planner in a recommended sequence. However, this can be amended depending on unit availability, unit progression, timetabling and the semester in which you commenced your program.

Year 2023

Term 3	
COS60010 **Technology Enquiry Project**	+12.5
COS80025 **Data Visualisation** Concurrent Pre-requisite: COS60010 Technology Enquiry Project*	+12.5

Term 4	
COS60004 **Creating Web Application** Concurrent Pre-requisite: COS60010 Technology Enquiry Project	+12.5
COS60009 **Data Management for the Big Data Age** Concurrent Pre-requisite: COS60010 Technology Enquiry Project	+12.5
COS60008 **Introduction to Data Science** Concurrent Pre-requisite: COS60010 Technology Enquiry Project	+12.5

Year 2024

Term 1	
COS60011 **Technology Design Project**	+12.5
Elective	+12.5

Term 2	
COS70008 **Technology Innovation Project** Pre-requisites: 62.5 CP	+25.0
COS70004 **User Centred Design**	+12.5
COS80001 **Cloud Computing Architecture** Pre-requisites: COS60004 Creating Web Applications	+12.5

Term 3	
Elective	+12.5
COS80023 **Big Data** Pre-requisites: COS60010 Technology Enquiry Project COS60009 Data Management for the Big Data Age	+12.5

Term 4	
COS80021 **Web Application Development** Pre-requisites: COS60004 Creating Web Applications COS60010 Technology Enquiry Project	+12.5
COS80029 **Technology Application Project** Pre-requisites: COS70008 Technology Innovation Project	+25.0

How to use your Course Planner

Refer to the below tables to help explain what units are required each semester throughout your course. The units in your planner are colour coded to assist you with mapping out your studies.

Course Information

Master of Information Technology (Cognate Entry)

200 Credit Points (CP)

Core units 75 CP

A set of compulsory units you must complete as part of your course.

Specialisation units 100 CP

A structured set of units in a field of study specific to your course.

Component units 25 CP

Electives

A set of standalone units from any study area. Choose from the following list:

- **COS80013**
  Internet Security

  Pre-requisite:
  COS60004 Creating Web Applications*

- **ICT60001**
  Operating System Management

- **CYB60004**
  Networks and Cybersecurity Frameworks

All commencing students of Master, Degree, Diploma and Foundation programs will be automatically registered for the **Academic Integrity Training Module** in the first semester. There are 4 topics in this online module that are recommended for completion during Week 1-4 of your commencing study period. At the end of this module, students are required to complete a quiz comprised of 10 questions and achieve a score of at least 90%.