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 course.

Year 2024

Term 1	
COS60010 **Technology Enquiry Project**	**+12.5**
COS60008 Introduction to Data Science Concurrent Pre-requisite: COS60010 Technology Enquiry Project	**+12.5**

Term 2	
Elective (ICT60001)	**+12.5**
COS70004 **User Centred Design**	**+12.5**
COS60004 **Creating Web Applications** Concurrent Pre-requisite: COS60010 Technology Enquiry Project	**+12.5**

Term 3	
COS80025 **Data Visualisation** Concurrent Pre-requisite: COS60010 Technology Enquiry Project	**+12.5**
Elective (CYB60004)	**+12.5**

Term 4	
COS70008 **Technology Innovation Project** Pre-requisites: 62.5 CP	**+25.0**
COS80021 **Web Application Development** Pre-requisites: COS60004 Creating Web Applications COS60010 Technology Enquiry Project	**+12.5**
COS60009 **Data Management for the Big Data Age** Concurrent Pre-requisite: COS60010 Technology Enquiry Project	**+12.5**

Year 2025

Term 1	
COS60011 **Technology Design Project**	**+12.5**
COS80023 **Big Data** Pre-requisites: COS60010 Technology Enquiry Project COS60009 Data Management for the Big Data Age	**+12.5**

Term 2	
COS80001 **Cloud Computing Architecture** Pre-requisites: COS60004 Creating Web Applications	**+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:

- **ICT60001**
  Operating System Management

- **CYB60004**
  Networks and Cybersecurity Frameworks