1. Students must complete four foundation units (24 points) from the list below:

**FOUNDATION UNITS (All offered S1 and S2)**

- FIT9131 Programming foundations in Java
- FIT9132 Introduction to databases
- FIT9134 Computer architecture and operating systems OR FIT9136 Algorithms and programming foundations in Python
- FIT9135 Data communications OR FIT9137 Introduction to computer architecture and networks

2. Students must complete two core units (12 points) from the list below:

**CORE UNITS (Offered S1 and S2)**

- FIT5057 Project management
- FIT5136 Software engineering

3. Students must complete:

a) Four units (24 points) from the following list of approved elective units, plus

b) Two units (12 points) from either the following list of approved elective units or from level five units offered by the Faculty of Information Technology from level five units offered by any other faculty of the University.

**APPROVED ELECTIVE UNITS** (Note: not all units will be offered every year)

- FIT5003 Software security (S1)
- FIT5032 Internet applications development (S2)
- FIT5046 Mobile and distributed computing systems (S1)
- FIT5047 Fundamentals of artificial Intelligence (S1, S2)
- FIT5083 Network infrastructure (S1)
- FIT5133 Enterprise architecture and management (S2)
- FIT5137 Advanced database technology (S2)
- FIT5138 Advanced software engineering (S1)
- FIT5139 Advanced distributed and parallel systems (not offered)
- FIT5140 Advanced mobile systems (S2)
- FIT5141 Advanced topics in information technology (not offered)
- FIT5142 Advanced data mining (not offered)
- FIT5145 Introduction to data science (S1, S2)
- FIT5146 Big data management and processing (not offered)
- FIT5163 Information and computer security (S1, S2)
- FIT5166 Information retrieval systems (S2)
- FIT5171 System validation and verification, quality and standards (S1)
- FIT5175 Business intelligence and data warehousing (S1)
- FIT5211 Algorithms and data structures (not offered)
- FIT5214 Blockchain (S2)
- FIT5201 Data processing for big data

4. Students must complete 24 points of either research† or industry‡ units (offered S1 and S2), as follows:

**RESEARCH UNITS†**

- FIT5125 IT research methods
- FIT5126 Masters thesis part 1
- FIT5127 Masters thesis part 2
- FIT5128 Masters thesis final

**INDUSTRY UNITS‡**

- FIT5120 Industry experience studio project (12 points)
- FIT5122 Professional practice
- 1 X FIT Level 5 unit

† Research component to be completed across final two semesters: To be eligible to undertake a research unit, you must have successfully completed 24 points of level five FIT-coded units and have achieved an average of 75 per cent across all these units.

‡ Industry component to be completed in final semester.

**NOTES:**

- **Credit Points**: Unless specified, all units are worth 6 credit points. Master of Information Technology is a total of 96 credit points
- **Unit Requisites**: All pre-requisite and co-requisite requirements must be undertaken in order to be able to enrol into a specific unit
- **Degree Duration**: 1, 1.5, or 2 years full-time, 2, 3, or 4 years part-time
- **Time Limit**: Time limit = \((\text{Degree Duration} \times 2) + 2\) = 4, 5, or 6 years in which to complete this award from the time they first commence. Periods of intermission are counted toward the time limit.
- **Monash University Handbook**: Students should follow the course requirements for the year the course was commenced

http://monash.edu/pubs/2019handbooks/courses/index-byfaculty-it.html

C6001 (Information Technology): OCT 2019