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

**FOUNDATION UNITS**

- FIT9131 Programming foundations in Java (S1, S2)
- FIT9132 Introduction to databases (S1, S2)
- FIT9134 Computer architecture and operating systems (S1, S2)
- FIT9135 Data communications (S1, S2)

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

**CORE UNITS**

- FIT5057 Project management (S1, S2)
- FIT5136 Software engineering (S1, S2)

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)
- FIT5042 Enterprise application development for the web (S2)
- FIT5037 Network security (S2)
- FIT5047 Intelligent systems (S1)
- FIT5133 Enterprise architecture and management (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 (S2)
- FIT5142 Advanced data mining (S2)
- FIT5145 Introduction to data science (S1, S2)
- FIT5146 Information and computer security (S1, S2)
- FIT5147 Information retrieval systems (S2)
- FIT5148 Big data management and processing (S1)
- FIT5149 Business intelligence and data warehousing (S1)
- FIT5150 Algorithms and data structures (S1, S2)
- FIT5151 Algorithms and data structures (S1, S2)
- FIT5152 Data processing for big data
- FIT5153 Discrete optimisation

4. Students must complete 24 points of either research† or industry‡ units, as follows:

**RESEARCH UNITS†**

- FIT5125 IT research methods (S1, S2)
- FIT5126 Masters thesis part 1 (S1, S2)
- FIT5127 Masters thesis part 2 (S1, S2)
- FIT5128 Masters thesis final (S1, S2)

**INDUSTRY UNITS‡**

- FIT5120 Industry experience studio project (12 points) (S1, S2)
- FIT5122 Professional practice (S1, S2)
- 1 X FIT Level 5 unit (S1, S2)

† 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

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