MASTER OF NETWORKS AND SECURITY (C6002)
– 2019 COURSE MAP –

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 OR FIT9133 Programming foundations in Python OR FIT9136* Algorithms and programming foundations in Python
- ☐ FIT9132 Introduction to databases (S1, S2)
- ☐ 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

*Note: If you have not yet completed both of FIT9133 OR FIT9134, you will complete FIT9131 AND FIT9136

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

CORE UNITS (Offered S1 and S2)

- ☐ FIT5057 Project management
- ☐ FIT5163 Information and computer security

3. Students must complete two units from the Networks stream and two units from the Security stream (24 points):

NETWORKS

- ☐ FIT5010 Network protocol standards
- ☐ FIT5011 Network design and performance
- ☐ FIT5034 Quality of service and network management
- ☐ FIT5083 Network infrastructure
- ☐ FIT5037* Network security
- ☐ FIT5225 Cloud computing and security

SECURITY

- ☐ FIT5003 Software security
- ☐ FIT5037* Network security
- ☐ FIT5124 Advanced topics in security (
- ☐ FIT5129 Enterprise IT security - planning, operations and management
- ☐ FIT5214 Blockchain

* FIT5037 cannot be counted towards both Network and Security streams.

4. Students must complete two units (12 points) from:

a) The Networks or Security streams listed above in 3.
OR
b) One unit (6 points) from the Networks or Security streams listed above in 3. and one FIT Level 5 unit (6 points).

5. Students must complete 24 points of either research† or industry‡ units ç, 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
- ☐ FIT5136 Software engineering

† 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 units and have achieved an average of 75 per cent across all completed FIT level five units.

‡ Industry component to be completed in final semester.

NOTES:

Credit Points	Unless specified, all units are worth 6 credit points. Master of Networks and Security is a total of 96 credit points
Unit Requisites	All pre-requisite and co-requisite requirements must be completed prior to enrolling in subsequent unit(s)
Degree Duration	1.5 or 2 years full-time, 3, or 4 years part-time
Time Limit	Time limit = **(Degree Duration x 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.
Key	S1 = Semester 1, S2 = Semester 2, W = Winter, Sum = Summer
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