

# MASTER OF NETWORKS AND SECURITY (C6002)

## – 2019 COURSE MAP –

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

### FOUNDATION UNITS

- |                          |   |
|--------------------------|---|
| <input type="checkbox"/> | FIT9131 Programming foundations in Java (S1, S2) OR<br>FIT9133 Programming foundations in Python (S1, S2) |
| <input type="checkbox"/> | FIT9132 Introduction to databases (S1, S2)  |

- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> | FIT9134 Computer architecture and operating systems (S1, S2) |
| <input type="checkbox"/> | FIT9135 Data communications (S1, S2)                         |

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

### CORE UNITS

- |                          |                                     |
|--------------------------|-------------------------------------|
| <input type="checkbox"/> | FIT5057 Project management (S1, S2) |
|--------------------------|-------------------------------------|

- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> | FIT5163 Information and computer security (S1, S2) |
|--------------------------|--|

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

### NETWORKS

- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> | FIT5010 Network protocol standards (S1)                |
| <input type="checkbox"/> | FIT5011 Network design and performance (S2)            |
| <input type="checkbox"/> | FIT5034 Quality of service and network management (S2) |
| <input type="checkbox"/> | FIT5083 Network infrastructure (S1)                    |

### SECURITY

- |                          |   |
|--------------------------|---|
| <input type="checkbox"/> | FIT5003 Software security (S1)  |
| <input type="checkbox"/> | FIT5037 Network security (S1, S2)   |
| <input type="checkbox"/> | FIT5124 Advanced topics in security (S2)                                  |
| <input type="checkbox"/> | FIT5129 Enterprise IT security - planning, operations and management (S1) |

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<sup>†</sup> or industry<sup>‡</sup> units, as follows:

### RESEARCH UNITS<sup>†</sup>

- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> | FIT5125 IT research methods (S1, S2)   |
| <input type="checkbox"/> | FIT5126 Masters thesis part 1 (S1, S2) |
| <input type="checkbox"/> | FIT5127 Masters thesis part 2 (S1, S2) |
| <input type="checkbox"/> | FIT5128 Masters thesis final (S1, S2)  |

### INDUSTRY UNITS<sup>‡</sup>

- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> | FIT5120 Industry experience studio project ( <b>12 points</b> ) (S1, S2) |
| <input type="checkbox"/> | FIT5122 Professional practice (S1, S2)                                   |
| <input type="checkbox"/> | FIT5136 Software engineering (S1, S2)                                    |

<sup>†</sup> **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.

<sup>‡</sup> **Industry component to be completed in final semester.**

### **NOTES:**

<b>Credit Points</b>	Unless specified, all units are worth 6 credit points. Master of Networks and Security is a total of 96 credit points
<b>Unit Requisites</b>	All pre-requisite and co-requisite requirements must be completed prior to enrolling in subsequent unit(s)
<b>Degree Duration</b>	1.5 or 2 years full-time, 3, or 4 years part-time
<b>Time Limit</b>	Time limit = <b>(Degree Duration x 2) + 2</b> = 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.
<b>Key</b>	S1 = Semester 1, S2 = Semester 2, W = Winter, Sum = Summer
<b>Monash University Handbook</b>	Students should follow the course requirements for the year the course was commenced <a href="http://monash.edu/pubs/2018handbooks/courses/index-byfaculty-it.html">http://monash.edu/pubs/2018handbooks/courses/index-byfaculty-it.html</a>