

# Master of Cybersecurity (C6002) – 2022

## Industry experience stream

### Year 1 (48 credit points)

<b>First Semester</b>	<b>FIT9131</b> Programming foundations in Java	<b>FIT9132</b> Introduction to databases	<b>FIT9136</b> Algorithms and programming foundations in python	<b>FIT9137</b> Introduction to computer architecture and networks
<b>Second Semester</b>	<b>FIT5057</b> Project management	<b>FIT5125</b> IT research methods	<b>FIT5163</b> Information and computer security [FIT9137]	<b>Cybersecurity core unit *</b>

### Year 2 (48 credit points)

<b>First Semester</b>	<b>FIT5136</b> Software engineering	<b>FIT5003</b> Software security [FIT9131 or FIT9136]	<b>Cybersecurity core unit *</b>	<b>Cybersecurity core unit *</b>
<b>Second Semester</b>	<b>FIT5120</b> Industry experience project (12 points) [Completion of 72 points, Co-requisite: FIT5122]		<b>FIT5122</b> IT professional practice [Co-requisite: FIT5120]	<b>Cybersecurity core unit *</b>

## Research stream \*\*

### Year 1 (48 credit points)

<b>First Semester</b>	<b>FIT9131</b> Programming foundations in Java	<b>FIT9132</b> Introduction to databases	<b>FIT9136</b> Algorithms and programming foundations in python	<b>FIT9137</b> Introduction to computer architecture and networks
<b>Second Semester</b>	<b>FIT5057</b> Project management	<b>FIT5125</b> IT research methods	<b>FIT5163</b> Information and computer security [FIT9137]	<b>Cybersecurity core unit *</b>

### Year 2 (48 credit points)

<b>First Semester</b>	<b>FIT5126</b> Masters thesis part 1 [FIT5125, Co-requisite: FIT5127]	<b>FIT5127</b> Masters thesis part 2 [Co-requisite: FIT5126]	<b>FIT5003</b> Software security [FIT9131 or FIT9136]	<b>Cybersecurity core unit *</b>
<b>Second Semester</b>	<b>FIT5228</b> Masters thesis part 3 [FIT5127, Co-requisite: FIT5229]	<b>FIT5229</b> Masters thesis final [Co-requisite: FIT5228]	<b>Cybersecurity core unit *</b>	<b>Cybersecurity core unit *</b>

	FOUNDATION		CORE MASTER'S STUDIES		ADVANCED PRACTICE
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### \* Cybersecurity core units:

FIT5037 Network security	FIT5214 Blockchain
FIT5124 Advanced topics in security	FIT5223 IT forensics
FIT5129 Enterprise IT security - planning, operations and management	FIT5224 Smart contract
	FIT5225 Cloud computing and security

### \*\* Research stream requirements

- To be eligible for the research stream, students must have successfully completed 24 points of level five (non-foundation) FIT units and achieved an overall average of at least 75 per cent across all of these units.
- Applications for the Research stream must be submitted by 31 January (for S1 thesis start) or 30 June (for S2 thesis start). Students will be notified when applications open for each intake.
- Research stream information and application: <https://www.monash.edu/it/current-students/enrolment/honours-and-minor-thesis>

### Notes

<b>Credit points</b>	Unless specified, all units are worth 6 credit points Master of Cybersecurity: 16 units x 6cp = Total of 96 credit points
<b>Year Level Requirements</b>	1) A maximum of 24 points of level 9 (foundation) units will be counted; 2) At least 72 points must be completed at level 5.
<b>Unit requisites</b>	All pre-requisite and co-requisite requirements must be undertaken in order to be able to enrol into a specific unit
<b>Duration of degree</b>	2 years full-time, 4 years part-time
<b>Time limit</b>	Time limit = 6 years. Students have six years in which to complete this award from the time they commence. Periods of intermission are counted as part of the six years.
<b>Monash University handbook</b>	Students should follow the course requirements for the year the course was commenced <a href="https://handbook.monash.edu/browse/By%20Faculty/FacultyofInformationTechnology">https://handbook.monash.edu/browse/By%20Faculty/FacultyofInformationTechnology</a>