

# BACHELOR OF INFORMATION TECHNOLOGY (C2000) – 2018

## Computer Networks and Security major

### Year 1 (48 credit points)

<b>First Semester</b>	<b>FIT1045</b> Algorithms and programming fundamentals in python [VCE Mathematics Methods or Specialist Mathematics units 3 & 4 with a study score of 25 or MTH1010] OR <b>FIT1048</b> Fundamentals of C++ OR <b>FIT1051</b> Programming fundamentals in java	<b>FIT1047</b> Introduction to computer systems, networks and security	<b>FIT Elective 1</b>	<b>Elective</b>
<b>Second Semester</b>	<b>FIT1049</b> IT professional practice [12 pts FIT study]	<b>Elective</b>	<b>Elective</b>	<b>Elective</b>

### Year 2 (48 credit points)

<b>First Semester</b>	<b>FIT2001</b> Systems development [24pts FIT study] OR <b>FIT2099</b> Object-oriented design and implementation [One of FIT1045, FIT1048 or FIT1051]	<b>FIT2093</b> Introduction to cyber security  [FIT1047 and one of FIT1045, FIT1048 or FIT1051]	<b>FIT2094</b> Databases  [One of FIT1045, FIT1048 or FIT1051]	<b>Elective</b>
<b>Second Semester</b>	<b>FIT2002</b> IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003) and FIT1049]	<b>FIT2100</b> Operating systems  [FIT1047]	<b>FIT Elective 2</b>	<b>Elective</b>

### Year 3 (48 credit points)

<b>First Semester</b>	<b>FIT3047</b> Industry experience studio project 1 [Refer to Handbook]	<b>FIT3173</b> Software security [One of FIT1045 or FIT1048 or FIT1051]	<b>FIT3165</b> Computer networks [FIT1047 and one of FIT1045, FIT1048 or FIT1051]	<b>Elective</b>
<b>Second Semester</b>	<b>FIT3048</b> Industry experience studio project 2  [FIT3047]	<b>FIT3031</b> Information and network security  [FIT1047]	<b>FIT2081</b> Mobile applications development [One of FIT1045 or FIT1048 or FIT1051] OR <b>FIT3142</b> Distributed computing [FIT2100 and FIT3165]	<b>Elective</b>

### Computer Networks and Security Extended major:

a) One of (unit not completed above):

FIT2081 Mobile applications development OR  
 FIT3142 Distributed computing

b) Three of:

FIT2095 eBusiness software technologies  
 FIT3159 Computer architecture  
 FIT3168 IT forensics

### Notes

<b>Credit points</b>	Unless specified, all units are worth 6 credit points Bachelor of Information Technology 24 units x 6 credit points = Total of 144 credit points
<b>Year Level Requirements</b>	1) Normally 48 points, and a maximum of 60 points, of first year level units will be counted; 2) At least 36 points must be completed at third year level.
<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>	3 years full-time, 6 years part-time
<b>Time limit</b>	Time limit = 8 years. Students have eight years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the eight years.
<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>