Bachelor of Information Technology (C2000) – 2022
Computer networks and security major

Year 1 (48 credit points)

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

Year 2 (48 credit points)

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

Year 3 (48 credit points)

First Semester	FIT3047* Industry experience studio project 1 [Refer to Handbook]	FIT3173 Software security [One of FIT1045 or FIT1048 or FIT1051]	FIT3165 Computer networks [FIT1047 and one of FIT1045, FIT1048 or FIT1051]	**Elective**
Second Semester	FIT3048* Industry experience studio project 2 [FIT3047]	FIT3031 Network security [FIT1047 and FIT2093]	FIT2081 Mobile applications development [One of FIT1045 or FIT1048 or FIT1051] OR **FIT3142** Distributed computing [FIT2100 and FIT3165] OR **FIT3168** IT forensics [FIT2093]	**Elective**

* Industry Based Learning (IBL)
- Students accepted into the IBL program will replace FIT3047 and FIT3048 and an FIT Elective on the IT side of their degree with FIT3045 Industry based learning (18 points).
- IBL placements will normally be completed in semester 2 of second year or semester 1 of third year.
- Students completing an IBL placement must overload in one semester OR complete a summer unit in order to complete the course in 3 years.

Notes

Credit points	Unless specified, all units are worth 6 credit points Bachelor of Information Technology 24 units x 6 credit points = Total of 144 credit points
Year Level Requirements	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.
Unit requisites	All pre-requisite and co-requisite requirements must be undertaken in order to be able to enrol into a specific unit
Duration of degree	3 years full-time, 6 years part-time
Time limit	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.
Monash University handbook	Students should follow the course requirements for the year the course was commenced https://handbook.monash.edu/browse/By%20Faculty/FacultyofInformationTechnology

C2000 (Computer networks and security): OCT 2021