

BACHELOR OF INFORMATION TECHNOLOGY (C2000) – 2019

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 [36pts level 1 study including one of (FIT1040, 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]	Elective

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

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 http://monash.edu/pubs/2019handbooks/courses/index-byfaculty-it.html