

BACHELOR OF INFORMATION TECHNOLOGY (C2000) – 2017

Software Development 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	FIT1050 Web fundamentals	FIT1047 Introduction to computer systems, networks and security	Elective
Second Semester	FIT1049 IT professional practice [12 pts FIT study]	FIT Elective 1	Elective	Elective

Year 2 (48 credit points)

First Semester	FIT2001 Systems development [24pts FIT study]	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	FIT Elective 2	Elective
Second Semester	FIT2002 IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003) and FIT1049]	FIT2104 Web database interface [FIT2094] OR FIT2081 Mobile application development [FIT1045, FIT1048 or FIT1051]	Elective	Elective

Year 3 (48 credit points)

First Semester	FIT3047 Industry experience studio project 1 [Refer to Handbook]	Software Development unit (choose from list)	FIT3175 Usability [FIT1045, FIT1048 or FIT1051]	Elective
Second Semester	FIT3048 Industry experience studio project 2 [FIT3047]	Software Development unit (choose from list)	FIT Elective 3	Elective

Software Development units:

FIT3077 Software engineering: architecture and design	FIT3173 Software security
FIT3134 IT-based entrepreneurship	FIT3176 Advanced database design
FIT3146 Emergent technologies and interfaces	FIT3178 Advanced mobile apps
FIT3157 Advanced web design	

Software Development Extended Major:

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| a) The remaining unit from those not completed in the major above:
FIT2104 Web database interface OR
FIT2081 Mobile application development | c) One unit at level 2 or 3 from the Software Development units above or from the following:
FIT2095 eBusiness software technologies
FIT2099 Object-oriented design and implementation
FIT2101 Software engineering process and management
FIT2100 Operating systems
FIT2107 Software quality and testing |
| b) Two of the above Level 3 Software Development units | |

Notes

Credit points	Unless specified, all units are worth 6 credit points Bachelor of Information Technology 24 units x 6cp = 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/2017handbooks/courses/index-byfaculty-it.html