

# Bachelor of Information Technology (C2000) – 2022

## Software development 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>FIT1050</b> Web fundamentals	<b>FIT1047</b> Introduction to computer systems, networks and security	<b>Elective</b>
<b>Second Semester</b>	<b>FIT1049</b> IT professional practice [12 pts FIT study]	<b>FIT Elective 1</b>	<b>Elective</b>	<b>Elective</b>

### Year 2 (48 credit points)

<b>First Semester</b>	<b>FIT2001</b> Systems development [24pts FIT study]	<b>FIT2094</b> Databases [One of FIT1045, FIT1048 or FIT1051]	<b>FIT Elective 2</b>	<b>Elective</b>
<b>Second Semester</b>	<b>FIT2002</b> IT project management [Completion of 36pts of study including one of FIT1045, FIT1048, FIT1051, ENG1003]	<b>FIT2104</b> Web database interface [FIT2094] OR <b>FIT2081</b> Mobile application development [FIT1045, FIT1048 or FIT1051]	<b>Elective</b>	<b>Elective</b>

### Year 3 (48 credit points)

<b>First Semester</b>	<b>FIT3047*</b> Industry experience studio project 1 [Refer to <a href="#">Handbook</a> ]	<b>Software development unit</b> (choose from list)	<b>FIT3175</b> Usability [FIT1045, FIT1048 or FIT1051]	<b>Elective</b>
<b>Second Semester</b>	<b>FIT3048*</b> Industry experience studio project 2 [FIT3047]	<b>Software development unit</b> (choose from list)	<b>FIT Elective 3*</b>	<b>Elective</b>

### Software development units

FIT3077 Software engineering: architecture and design	FIT3173 Software security
FIT3134 Entrepreneurship or BEX3411 Entrepreneurship	FIT3176 Advanced database design
FIT3146 Maker lab	FIT3178 iOS app development
FIT3157 Advanced web design	

### \* 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

<b>Credit points</b>	Unless specified, all units are worth 6 credit points Bachelor of Information Technology 24 units x 6cp = 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="https://handbook.monash.edu/browse/By%20Faculty/FacultyofInformationTechnology">https://handbook.monash.edu/browse/By%20Faculty/FacultyofInformationTechnology</a>