## BACHELOR OF INFORMATION TECHNOLOGY (C2000) – 2019
### Software Development major

### Year 1 (48 credit points)

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| **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)

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| **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) | **FIT2104** Web database interface [FIT2094] OR **FIT2081** Mobile application development [FIT1045, FIT1048 or FIT1051] | **Elective** | **Elective** |

### Year 3 (48 credit points)

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| **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:

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

### Software Development Extended Major:

a) The remaining unit from those not completed in the major above:
FIT2104 Web database interface OR
FIT2081 Mobile application development

b) Two of the above Level 3 Software Development units

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

### Notes

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| **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/2019handbooks/courses/index-byfaculty-it.html |