## BACHELOR OF INFORMATION TECHNOLOGY (C2000) – 2018

**Software Development major**

### Year 1 (48 credit points)

<table>
<thead>
<tr>
<th>First Semester</th>
<th>FIT1045 Algorithms and programming fundamentals in python [VCE Mathematics Methods or Specialist Mathematics units 3 &amp; 4 with a study score of 25 or MTH1010] OR FIT1048 Fundamentals of C++ OR FIT1051 Programming fundamentals in java</th>
<th>FIT1050 Web fundamentals</th>
<th>FIT1047 Introduction to computer systems, networks and security</th>
<th>Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Semester</td>
<td>FIT1049 IT professional practice [12 pts FIT study]</td>
<td>FIT Elective 1</td>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

### Year 2 (48 credit points)

<table>
<thead>
<tr>
<th>First Semester</th>
<th>FIT2001 Systems development [24ptsFIT study]</th>
<th>FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]</th>
<th>FIT Elective 2</th>
<th>Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Semester</td>
<td>FIT2002 IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENGG1003) and FIT1049]</td>
<td>FIT2104 Web database interface [FIT2094] OR FIT2081 Mobile application development [FIT1045, FIT1048 or FIT1051]</td>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

### Year 3 (48 credit points)

<table>
<thead>
<tr>
<th>First Semester</th>
<th>FIT3047 Industry experience studio project 1 [Refer to Handbook]</th>
<th>Software Development unit (choose from list)</th>
<th>FIT3175 Usability [FIT1045, FIT1048 or FIT1051]</th>
<th>Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Semester</td>
<td>FIT3048 Industry experience studio project 2 [FIT3047]</td>
<td>Software Development unit (choose from list)</td>
<td>FIT Elective 3</td>
<td>Elective</td>
</tr>
</tbody>
</table>

**Software Development units:**

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

**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**

- 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/2018handbooks/courses/index-byfaculty-it.html