

**BACHELOR OF COMPUTER SCIENCE (2380) - 2015**  
**Coursework stream**

Student Name: \_\_\_\_\_ ID: \_\_\_\_\_

This course map shows a recommended progression only. Some units can be taken in semesters other than those indicated below. Students completing units in a different sequence to that indicated above should be aware of unit prerequisites and semesters of offering prior to varying their course progression. Please see a Course Advisor for any queries.

**UNITS IN RED ARE REPLACEMENTS FOR CORE UNITS NO LONGER OFFERED. SEE**

**<http://www.infotech.monash.edu.au/current/course-information/> FOR FURTHER TRANSITION INFORMATION.**

**Year 1**

<b>First Semester</b>	<b>FIT1029</b> Algorithmic problem solving OR <b>FIT1045</b> Introduction to algorithms and programming	<b>FIT1040</b> Digital futures: Adventures in programming	<b>MAT1830</b> Discrete mathematics for computer science	<b>Elective</b>
<b>Second Semester</b>	<b>FIT1008</b> Introduction to computer science  [FIT1040 & FIT1029]	<b>FIT1004</b> Data management	<b>FIT1031</b> Computers and networks OR <b>FIT1047</b> Introduction to computer systems, networks and security	<b>Elective</b>

**Year 2**

<b>First Semester</b>	<b>FIT2004</b> Algorithms and data structures  [FIT1008 & 6 pts approved Maths]	<b>FIT2001</b> Systems development  [24pts level 1 FIT]	<b>FIT2003</b> IT professional practice [24pts level 1 IT]	<b>Elective</b>
<b>Second Semester</b>	<b>FIT2014</b> Theory of computation  [FIT1029 & 6 pts approved Maths]	<b>FIT2002</b> Project management  [24pts of study, including FIT1040 or equivalent]	<b>MAT2003</b> Continuous mathematics for computer science	<b>Elective</b>

**Year 3**

<b>First Semester</b>	<b>FIT3140</b> Advanced programming [FIT1008]	<b>Level 3 Computer Science Approved Elective*</b>	<b>Elective</b>	<b>Elective</b>
<b>Second Semester</b>	<b>FIT3036</b> Computer science project [FIT2004 or FIT3140] OR <b>FIT3144*</b> Advanced computer science project (12 pts) [See Handbook]	<b>Level 3 Computer Science Approved Elective*</b>	<b>Elective</b>	<b>Elective</b>

144 points must be completed to qualify for the degree of Bachelor of Computer Science, with the following conditions:

- normally 48 points, and a maximum of 60 points, of first year level units will be counted;
- at least 36 points must be completed at second year level
- at least 36 points must be completed at third year level. This requirement is reduced to 24 points at level three if two named minors are taken.

All units are 6 points unless indicated otherwise

All course variations must be approved by the Course Director and will be confirmed in writing.

\* Students completing the 12-point Computer science project (FIT3144) will only complete one Approved Computer Science Elective

Please see <http://www.infotech.monash.edu.au/current/course-information/> for specified Approved Computer Science Electives and <http://www.monash.edu.au/pubs/handbooks/courses/2380.html> for information on recommended majors and minors in the Bachelor of Computer Science.