MONASH University

BACHELOR OF COMPUTER SCIENCE (2380) – 2010 Transition

This course map shows a recommended progression only. Some units can be taken in semesters other than those indicated above. 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://intranet.monash.edu.au/infotech/current/course-information/ FOR FURTHER TRANSITION INFORMATION.

Level 1

First Semester	**FIT1001** Computer systems ***OR*** **FIT1031** Computers and networks	**FIT1002** Computer programming ***OR*** **FIT1040** Programming fundamentals	**MAT1841*** Mathematics for computer science 1 ***OR*** **MAT2003** Continuous mathematics for computer science	**FIT1029** Algorithmic problem solving
Second Semester	**FIT1003** IT in organisations OR **FIT2003** IT professional practice	**FIT1008** Computer science	**MAT1830*** Mathematics for computer science 2	**Elective**

Level 2

First Semester	**FIT2001** System analysis and design	**FIT2010+** Database OR **FIT1004** Data management	**FIT2004** Algorithms and data structures	**Elective**
Second Semester	**FIT2022** Computer systems 2 OR **FIT2070** Operating systems	**FIT2008+** Networks and data communications *OR* **FIT1005** Networks and data communications (Caulfield)	**FIT2014** Theory of computation [	**Elective**

Level 3

First Semester	**FIT3086** Project management OR **FIT2002** Project management	**FIT3077** Software engineering: architecture and design	**FIT3014** Analysis and design of algorithms OR **Approved Computer Science Elective**	**Elective**
Second Semester	**FIT3036** Computer science project	Approved Computer Science Elective [See below website for list of approved electives]	**Elective**	**Elective**

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
- 36 points of free electives.

All units are 6 points unless indicated otherwise

Please see http://intranet.monash.edu.au/infotech/current/course-information/ for specified Approved Computer Science Electives

Students should check the current University Handbook for unit prerequisites.

Notes: (Approved variations)

* Students intending to complete a minor or major sequence in mathematics within the Faculty of Science should substitute another mathematics unit for MAT 1841, with approval.

Students requiring other mathematics for a non-CS elective stream (eg Eng stream) may replace MAT1830/MAT1841 with approval.