# 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/](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  
**OR**  
FIT1009 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.


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.