

BACHELOR OF INFORMATION TECHNOLOGY AND SYSTEMS (3334): 2014 - 2015

Information and Communication Technologies Major: Caulfield

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 below should be aware of unit prerequisites and semesters of offering prior to varying their course progression. Please see a Course Advisor for any queries.

YEAR 1

SEMESTER 1	FIT1004 Data management or FIT2094 Databases (CL S1, S2)	FIT1031 Computers and networks or FIT1047** Introduction to computers, networks and security (CL S1, S2)	FIT1040 Digital futures: Adventures in programming	FIT1038 Introduction to information technology or any ICT Level 2 or Level 3 elective
SEMESTER 2	FIT1005 Networks and data communications or any FIT Level 1 unit**	Elective 1 (any Monash unit)	Elective 2 (any Monash unit)	Elective 3 (any Monash unit)

YEAR 2

SEMESTER 1	FIT2001 Systems development [24pts FIT study]	FIT2002 Project management [24pts of study, including FIT1040 or equivalent]	Information and Communication Technologies programming unit (see list of units below)	Elective 4 (any Monash unit)
SEMESTER 2	FIT2003 IT professional practice [24pts FIT study] or FIT1049 IT professional practice (CL S1, S2)	FIT2065 Operating systems and the Unix environment [FIT1031] or FIT2100 Operating systems (CL S2)	FIT2078 Introduction to security [FIT1031] or FIT2093 Introduction to cyber security (CL S1)	FIT2077 Advanced data management [FIT1004]

YEAR 3

SEMESTER 1	FIT3047 Industry experience studio project 1 [Refer to Handbook]	Information and Communication Technologies major elective (see list of units below)	Elective 5 (any Monash unit)	Elective 6 (any Monash unit)
SEMESTER 2	FIT3048 Industry experience studio project 2 [FIT3047]	Information and Communication Technologies major elective (see list of units below)	Elective 7 (any Monash unit)	Elective 8 (any Monash unit)

**Students that have not already completed BOTH FIT1031 and FIT1005 are required to complete FIT1047 and another FIT Level 1 unit.

INFORMATION AND COMMUNICATION TECHNOLOGIES ELECTIVES: (note – list is subject to change)

FIT2104 Web-database interface (CL S2)

FIT2076 Web-database interface (not offered)

FIT3003 Business intelligence and data warehousing (CL S2)

FIT3031 Information and network security (CA S1)

FIT3130 Computer network design and deployment (CA S2)

FIT3149 Network administration (not offered)

INFORMATION AND COMMUNICATION TECHNOLOGIES PROGRAMMING UNITS:

FIT1008 Introduction to computer science (CL S1, S2)

FIT1035 Digital media authoring (not offered)

FIT1048 Foundations of C++ (CL S2)

FIT2034 Computer programming 2 (not offered)

FIT2071 Foundations of C++ (not offered)

FIT2076 Web-database interface (not offered)

FIT2081 Mobile application development (CL S1)

COURSE REQUIREMENTS CHECKLIST:

- | | |
|--|--|
| <input type="checkbox"/> 6 x information technology core units | <input type="checkbox"/> a MAXIMUM of 60 points of Level 1 units (10 units) |
| <input type="checkbox"/> 2 x industry experience units | <input type="checkbox"/> a MINIMUM of 36 points of Level 3 units (6 units); of which at least 4 units must those offered by FIT |
| <input type="checkbox"/> 5 x Information Communication Technology major core units | <input type="checkbox"/> MUST complete a total of 144 points (24 units) |
| <input type="checkbox"/> 2 x Information Communication Technology major elective units | <input type="checkbox"/> MUST complete all requirements within 8 years |
| <input type="checkbox"/> 1 x Information Communication Technology programming unit | |
| <input type="checkbox"/> 8 x elective units | |

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

Please see <http://www.infotech.monash.edu.au/units/> for unit descriptions.