

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

### Applications Development 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

<b>SEMESTER 1</b>	<b>FIT1004</b> Data management or <b>FIT2094</b> Databases [FIT1040 or FIT1045 or FIT1048 or FIT1051] (CL S1, S2)	<b>FIT1031</b> Computers and networks or <b>FIT1047</b> Introduction to computers, networks and security (CL S1, S2)	<b>FIT1040</b> Digital futures: adventures in programming (CL S1)	<b>FIT1039</b> Web systems or <b>FIT1050</b> Web fundamentals (CL S1)
<b>SEMESTER 2</b>	<b>Elective 1</b> (any Monash unit)	<b>Elective 2</b> (any Monash unit)	<b>Elective 3</b> (any Monash unit)	<b>Elective 4</b> (any Monash unit)

#### YEAR 2

<b>SEMESTER 1</b>	<b>FIT2001</b> Systems development [24pts FIT units] (CL S1, S2)	<b>FIT2002</b> IT project management [Refer to Handbook] (CL S1, S2)	<b>FIT2077</b> Advanced data management or <b>FIT3176</b> Advanced Database design [FIT1004 or FIT2094 or FIT3171] (CL S1)	<b>FIT2034</b> Computer programming 2 or <b>FIT2081</b> Mobile application development [Refer to Handbook] (CL S1) or <b>FIT2095</b> e-Business software technologies [Refer to Handbook] (CL S1)
<b>SEMESTER 2</b>	<b>FIT2003</b> IT professional practice or <b>FIT1049</b> IT professional practice [12pts FIT units] (CL S1, S2)	<b>FIT2076</b> Web-database interface or <b>FIT2104</b> Web database interface [Refer to Handbook] (CL S2)	<b>FIT2027</b> Systems design and implementation [FIT1040 & FIT1004 & FIT2001] (CL S2)	<b>Elective 5</b> (any Monash unit)

#### YEAR 3

<b>SEMESTER 1</b>	<b>FIT3047</b> Industry experience studio project 1 [Refer to Handbook] (CL S1)	<b>Applications Development major elective</b> (see list of units below)	<b>Elective 6</b> (any Monash unit)	<b>Elective 7</b> (any Monash unit)
<b>SEMESTER 2</b>	<b>FIT3048</b> Industry experience studio project 2 [FIT3047] (CL S2)	<b>FIT3063</b> Human-computer interaction or <b>FIT3175</b> Usability [Refer to Handbook] (CL S1)	<b>Applications Development major elective</b> (see list of units below)	<b>Elective 8</b> (any Monash unit)

#### APPLICATIONS DEVELOPMENT ELECTIVES:

**FIT1048** Foundations of C++ (CL S2)

**FIT2009** Data structures and algorithms (not offered)

**FIT2024** Software engineering practice (not offered)

**FIT2049** Games programming with C++ (not offered)

**FIT2071** Foundations of C++ (not offered)

**FIT2096** Games programming 1 (CL S1)

**FIT2099** Object oriented design and implementation (CL S1)

**FIT3027** Android and iOS development (CA S1)

**FIT3056** Secure and trusted software systems (not offered)

**FIT3138** Real-time enterprise systems (CL S2)

#### COURSE REQUIREMENTS CHECKLIST:

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|---|--|
| <input type="checkbox"/> 6 x information technology core units              | <input type="checkbox"/> a <b>MAXIMUM</b> of 60 points of Level 1 units (10 units)   |
| <input type="checkbox"/> 2 x industry experience units                      | <input type="checkbox"/> a <b>MINIMUM</b> of 36 points of Level 3 units (6 units); of which at least 24 points must those offered by FIT |
| <input type="checkbox"/> 6 x Applications Development major core units      | <input type="checkbox"/> <b>MUST</b> complete a total of 144 points (24 units)   |
| <input type="checkbox"/> 2 x Applications Development major electives units | <input type="checkbox"/> <b>MUST</b> complete all requirements within 8 years  |
| <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 <https://monash.edu/pubs/2018handbooks/units/index.html> for unit descriptions.