

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

### General: 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>Elective 1</b> (any Monash unit)
<b>SEMESTER 2</b>	<b>FIT unit</b> (any campus)	<b>FIT unit</b> (any campus)	<b>FIT minor unit</b> ⊕ (any campus)	<b>Elective 2</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>FIT minor unit</b> ⊕ (any campus)	<b>Elective 4</b> (any Monash unit)
<b>SEMESTER 2</b>	<b>FIT2003</b> IT professional practice or <b>FIT1049</b> IT professional practice [12pts FIT units] (CL S1, S2)	<b>Elective 3</b> (any Monash unit)	<b>FIT minor unit</b> ⊕ (any campus)	<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>FIT unit</b> (any campus)	<b>FIT minor unit</b> ⊕ (any campus)	<b>Elective 7</b> (any Monash unit)
<b>SEMESTER 2</b>	<b>FIT3048</b> Industry experience studio project 2 [FIT3047] (CL S2)	<b>FIT unit</b> (any campus)	<b>Elective 6</b> (any Monash unit)	<b>Elective 8</b> (any Monash unit)

#### COURSE REQUIREMENTS CHECKLIST:

- |  |  |
|--|--|
| <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"/> 1 x minor (four units)                    | <input type="checkbox"/> <b>MUST</b> complete a total of 144 points (24 units)   |
| <input type="checkbox"/> 4 x information technology elective 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.

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**General: Caulfield**

**BACHELOR OF INFORMATION TECHNOLOGY AND SYSTEMS - MINORS ☼**

Students not completing a major **must** complete a minor ☼ in an approved FIT specialist area

<b>Minor in Applications Development</b>	
<a href="#">FIT1039</a> Web systems <b>OR</b> <a href="#">FIT1050</a> Web fundamentals (CL S1)	<a href="#">FIT2027</a> Systems design and implementation (CL S2)
<a href="#">FIT2076</a> Web-database interface <b>OR</b> <a href="#">FIT2034</a> <b>OR</b> <a href="#">FIT2081</a> Mobile application development (CL S1, S2) <b>OR</b> <a href="#">FIT2104</a> Web database interface (CL S2)	<a href="#">FIT3063</a> Human-computer interaction <b>OR</b> <a href="#">FIT3175</a> Usability (CL S1)

<b>Minor in Enterprise Information Management</b>
One of the following pair of units: ( <a href="#">FIT1036</a> Enterprises and information <b>OR</b> <a href="#">FIT1028</a> Business information technology and systems) <b>AND</b> ( <a href="#">FIT2075</a> Information strategies and systems development <b>OR</b> <a href="#">FIT2006</a> Business process modelling and workflow <b>OR</b> <a href="#">FIT2090</a> Business information systems and processes (CL S2))
( <a href="#">FIT1037</a> Information management <b>OR</b> <a href="#">FIT1052</a> Digital futures: IT shaping society (CL S1, S2)) <b>AND</b> <a href="#">FIT2074</a> Technology, information and organisations
Plus two units: one programming unit selected from a schedule of EIM programming units available at <a href="http://www.infotech.monash.edu/current/course-information/3334-general-programming-units.html">http://www.infotech.monash.edu/current/course-information/3334-general-programming-units.html</a> one unit from the level three electives listed in the Enterprise Information Management major.

<b>Minor in Games Development</b>	
<a href="#">FIT1034</a> Principles of computer graphics <b>OR</b> <a href="#">FIT2097</a> Games programming 2 (CL S2)	<a href="#">FIT2049</a> Games programming with C++ <b>OR</b> <a href="#">FIT2096</a> Games programming 1 (CL S1)
<a href="#">FIT2071</a> Foundations of C++ <b>OR</b> <a href="#">FIT1048</a> Foundations of C++ (CL S2)	<a href="#">FIT3094</a> Artificial life, artificial intelligence and virtual environments (CA S1)

<b>Minor in Information and Communication Technologies</b>	
<a href="#">FIT1005</a> Networks and data communications <b>OR</b> <a href="#">FIT1047</a> **Introduction to computers, networks and security (CL S1, S2)	<a href="#">FIT2078</a> Introduction to security <b>OR</b> <a href="#">FIT2093</a> Introduction to cyber security (CL S1)
<a href="#">FIT2076</a> Web-database interface <b>OR</b> <a href="#">FIT2104</a> Web database interface (CL S2)	<a href="#">FIT3149</a> Network administration <b>OR</b> <a href="#">FIT3130</a> Computer network design and deployment <b>OR</b> <a href="#">FIT3031</a> Information and network security (CA S2)

\*\*Students that have not already completed BOTH [FIT1031](#) and [FIT1005](#) are required to complete [FIT1047](#) and another FIT Level 1 unit.

<b>Minor in Multimedia Development</b>
<a href="#">FIT1035</a> Digital media authoring <b>OR</b> <a href="#">FIT1045</a> Algorithms and programming fundamentals in python (CL S1, S2) <b>OR</b> <a href="#">FIT1048</a> Fundamentals of C++ (CA S2) <b>OR</b> <a href="#">FIT1051</a> Programming fundamentals in Java (CL S1, S2) (CL S1)
And one of the following sets of units: <a href="#">FIT1033</a> Foundations of 3D (CL S1) <b>AND</b> ( <a href="#">FIT2072</a> Educational multimedia <b>OR</b> <a href="#">FIT2098</a> Virtual and augmented reality (Not offered in 2018) <b>OR</b> <a href="#">FIT2092</a> Interactive media studio 2 (CL S2)) <b>AND</b> ( <a href="#">FIT3001</a> Advanced 3D <b>OR</b> <a href="#">FIT2087</a> Advanced 3D (CL S2))
( <a href="#">FIT1012</a> Website authoring <b>OR</b> <a href="#">FIT1050</a> Web fundamentals (CL S1)) <b>AND</b> ( <a href="#">FIT2026</a> Sound & video studio <b>OR</b> <a href="#">FIT2091</a> Interactive media studio 1 (CL S1)) <b>AND</b> ( <a href="#">FIT3008</a> Advanced digital video <b>OR</b> <a href="#">FIT3156</a> Advanced visual effects (CA S2))

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

For full course requirements for the Bachelor of Information Technology and Systems, please refer to the online undergraduate handbook at [www.monash.edu.au/pubs/handbooks/courses/3334.html](http://www.monash.edu.au/pubs/handbooks/courses/3334.html) for the year you commenced your studies.

Every effort has been made to ensure that the information provided is correct at the time of publication.  
 Monash University reserves the right to alter this information should the need arise.