MONASH University

BACHELOR OF INFORMATION TECHNOLOGY AND SYSTEMS (3334): 2014 - 2015
General: Caulfield (IBL mode: semester 5)

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 [FIT1040 or FIT1045 or FIT1048 or FIT1051] (CL S1, S2)	**FIT1031** Computers and networks or **FIT1047** Introduction to computers, networks and security (CL S1, S2)	**FIT1040** Digital futures: adventures in programming (CL S1)	**Elective 1** (any Monash unit)
SEMESTER 2	**FIT unit** (any campus)	**FIT unit** (any campus)	**FIT minor unit** ✪ (any campus)	**Elective 2** (any Monash unit)

YEAR 2

Summer Semester or overload in a subsequent semester	**FIT2002** IT Project management [Refer to Handbook]

SEMESTER 1	**FIT2001** Systems development [24pts FIT units] (CL S1, S2)	**FIT minor unit** ✪ (any campus)	**Elective 3** (any Monash unit)	**Elective 4** (any Monash unit)
SEMESTER 2	**FIT2003** IT professional practice or **FIT1049** IT professional practice [12pts FIT units] (CL S1, S2)	**FIT minor unit** ✪ (any campus)	**FIT minor unit** ✪ (any campus)	**Elective 5** (any Monash unit)

YEAR 3

SEMESTER 1	**FIT3045** Industry-based learning [Refer to Handbook] (18 pts = 18 third-year level FIT credit points) (CL S1, S2)			
SEMESTER 2	**FIT unit** (any campus)	**FIT unit** (any campus)	**Elective 6** (any Monash unit)	**Elective 7** (any Monash unit)

COURSE REQUIREMENTS CHECKLIST:

- ☐ 6 x information technology core units
- ☐ 1 x industry-based learning unit
- ☐ 1 x minor (four units)
- ☐ 4 x information technology elective units
- ☐ 7 x elective units
- ☐ a **MAXIMUM** of 60 points of Level 1 units (10 units)
- ☐ a **MINIMUM** of 36 points of Level 3 units (6 units); of which at least 24 points must those offered by FIT
- ☐ **MUST** complete a total of 144 points (24 units)
- ☐ **MUST** complete all requirements within 8 years

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.**

MONASH University

BACHELOR OF INFORMATION TECHNOLOGY AND SYSTEMS (3334) - 2015
General: Caulfield (IBL mode: semester 4 & semester 5)

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 [FIT1040 or FIT1045 or FIT1048 or FIT1051] (CL S1, S2)	**FIT1031** Computers and networks or **FIT1047** Introduction to computers, networks and security (CL S1, S2)	**FIT1040** Digital futures: adventures in programming (CL S1)	**Elective 1** (any Monash unit)
SEMESTER 2	**FIT unit** (any campus)	**FIT minor unit** ✪ (any campus)	**FIT minor unit** ✪ (any campus)	**Elective 2** (any Monash unit)

YEAR 2

Summer Semester or overload in a subsequent semester	**FIT2002** IT Project management [Refer to Handbook]	**Elective 3** (any Monash unit)

SEMESTER 1	**FIT2001** Systems development [24pts FIT units] (CL S1, S2)	**FIT2003** IT professional practice or **FIT1049** IT professional practice [12pts FIT units] (CL S1, S2)	**FIT minor unit** ✪ (any campus)	**Elective 4** (any Monash unit)
SEMESTER 2	**FIT2032** Industry-based learning [Refer to Handbook] (18 points = 18 second-year level FIT credit points) (CL S1, S2)			

YEAR 3

SEMESTER 1	**FIT3045** Industry-based learning [Refer to Handbook] (18 pts = 18 third-year level FIT credit points) (CL S1, S2)			
SEMESTER 2	**FIT unit** (any campus)	**FIT minor unit** ✪ (any campus)	**Elective 5** (any Monash unit)	**Elective 6** (any Monash unit)

COURSE REQUIREMENTS CHECKLIST:

- ☐ 6 x information technology core units
- ☐ 2 x industry-based learning units
- ☐ 1 x minor (four units)
- ☐ 1 x information technology elective unit
- ☐ 6 x elective units
- ☐ a **MAXIMUM** of 60 points of Level 1 units (10 units)
- ☐ a **MINIMUM** of 36 points of Level 3 units (6 units); of which at least 24 points must those offered by FIT
- ☐ **MUST** complete a total of 144 points (24 units)
- ☐ **MUST** complete all requirements within 8 years

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

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MONASH University

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

BACHELOR OF INFORMATION TECHNOLOGY AND SYSTEMS - MINORS ✪

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

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

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

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

Minor in Information and Communication Technologies	
FIT1005 Networks and data communications OR **FIT1047****Introduction to computers, networks and security (CL S1, S2)	FIT2078 Introduction to security OR FIT2093 Introduction to cyber security (CL S1)
FIT2076 Web-database interface OR FIT2104 Web database interface (CL S2)	FIT3149 Network administration OR FIT3130 Computer network design and deployment OR FIT3031 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.

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