

Information Technology

Bachelor of Information Technology and Systems Coursework Stream Course Map - 2015

Caulfield

Year 1

First Semester	FIT1004 Data management	FIT1031 Computers and networks	FIT1040 Programming fundamentals	Elective 1 (any Monash unit)
Second Semester	FIT unit (any campus)	FIT unit (any campus)	FIT unit (any campus)	Elective 2 (any Monash unit)

Year 2

First Semester	FIT2001 Systems development	FIT2002 Project management	Elective 3 (any Monash unit)	Elective 4 (any Monash unit)
Second Semester	FIT2003 IT professional practice	FIT unit (any campus)	FIT unit (any campus)	Elective 5 (any Monash unit)

Year 3

First Semester	FIT3047 Industry experience project 1 or FIT3039 Studio 1	FIT unit (any campus)	Elective 6 (any Monash unit)	Elective 7 (any Monash unit)
Second Semester	FIT3048 Industry experience project 2 or FIT3040 Studio 2	FIT unit (any campus)	FIT unit (any campus)	Elective 8 (any Monash unit)

All students must complete a minor or major in an approved specialist area.



Common Core (these units are common to all IT undergraduate degrees)



MONASH University



Majors and Minors

Applications development major

FIT1039 Web systems *
FIT2027 Systems design and implementation *
FIT2034 Computer programming 2
FIT2076 Web-database interface *
FIT2077 Advanced data management
FIT3063 Human-computer interaction *

PLUS two units from:
FIT2009 Data structures and algorithms
FIT2024 Software engineering practice
FIT2049 Games programming with C++
FIT2071 Foundations of C++
FIT3027 Mobile middleware
FIT3056 Secure and trusted software systems
FIT3138 Real time enterprise systems

*Applications development minor

Enterprise information management major

FIT1036 Enterprises and information
FIT1037 Information management
FIT2074 Technology, information and organisations
FIT2075 Information strategies and systems development
 an intermediate programming unit

PLUS three electives from:
FIT1038 Introduction to information technology
FIT2080 Information architecture
FIT3003 Business intelligence and data warehousing
FIT3063 Human-computer interaction
FIT3098 Social informatics
FIT3099 Knowledge management
FIT3138 Real time enterprise systems
FIT3147 Managing data
FIT3134 IT-based entrepreneurship

Enterprise information management minor

FIT1036 Enterprises and information, AND
FIT2075 Information strategies and systems development
 OR
FIT1037 Information management, AND
FIT2074 Technology, information and organisations

PLUS:
 an intermediate programming unit,
 AND
 a level three enterprise information management major
 elective

Games development major

FIT1033 Foundations of 3D
FIT1034 Principles of computer graphics *
FIT2049 Games programming with C++ *
FIT2071 Foundations of C++ *

FIT2073 Game design and narrative
FIT3094 Artificial life, artificial intelligence and virtual
 environments *
FIT3145 Games engine programming
FIT3146 Emergent technologies and interfaces
VCM1001 Visual communication

* Games development minor

Information and communications technologies major

FIT1005 Networks and data communications *
FIT1038 Introduction to information technology
FIT2065 Operating systems and the Unix environment
FIT2077 Advanced data management
FIT2078 Introduction to security *
 an intermediate programming unit

PLUS two units from:
FIT2076 Web-database interface *
FIT3003 Business intelligence and data warehousing
FIT3031 Information and network security
FIT3056 Secure and trusted software systems
FIT3130 Computer network design and deployment
FIT3149 Network administration *

* Information and communications technologies minor

Multimedia development major

FIT1012 Website authoring
FIT1033 Foundations of 3D
FIT1035 Digital media authoring
FIT2026 Sound and video studio

FIT2072 Educational multimedia
FIT3001 Advanced 3D
FIT3008 Advanced digital video
FIT3146 Emergent technologies and interfaces

Multimedia development minor

FIT1035 Digital media authoring

PLUS either:
FIT1033 Foundations of 3D, AND
FIT2072 Educational multimedia, AND
FIT3001 Advanced 3D
 OR
FIT1012 Website authoring, AND
FIT2026 Sound and video studio, AND
FIT3008 Advanced digital video