Information Technology

Bachelor of Informatics and Computation Advanced (Honours) - 2015

Year 1

First Semester	**FIT1040** Programming fundamentals	**Specialisation**	**Specialisation**	**Elective Major/Minor**
Second Semester	**FIT1004** Data management	**FIT1031** Computers and networks	**FIT1041** Research project 1	**Elective Major/Minor**

Year 2

Summer Semester	**FIT2002** Project management			
First Semester	**FIT2001** Systems development	**Specialisation**	**FIT2083** Research methods in computer science OR **FIT2084** Research methods in information systems and information management	**Elective Major/Minor**
Second Semester	**Specialisation**	**Specialisation**	**FIT2082** Research project 2	**Elective Major/Minor**

Year 3

First Semester	**Specialisation**	**Specialisation**	**Elective Major/Minor**	**Elective Major/Minor**
Second Semester	**FIT3045** Industry-based learning OR **FIT3153** Research placement (18 points)			

Year 4

First Semester	**FIT4441** Honours thesis part 1	**FIT4442** Honours thesis part 2	**Approved honours elective**	**Elective Major/Minor**
Second Semester	**FIT4443** Honours thesis part 3	**FIT4444** Honours thesis final	**Approved honours elective**	**Elective Major/Minor**

Common Core (units common to all IT undergraduate degrees)

MONASH University

GROUP OF EIGHT

Specialisations

Business information systems (Clayton)
FIT1006 Business information analysis
FIT1030 Introduction to business information systems
FIT2006 Business process modelling and workflow
FIT2017 Computer models for business decision making
FIT2081 Mobile application development
FIT3003 Business intelligence and data warehousing
FIT3083 e-Business software technologies OR **FIT3138** Real time enterprise systems

Computer science (Clayton)
FIT1008 Introduction to computer science
FIT1029 Algorithmic problem solving
FIT2004 Algorithms and data structures
FIT2014 Theory of computation
FIT3140 Advanced programming
MAT1830 Discrete mathematics for computer science
MAT2003 Continuous mathematics for computer science

Computing technology (Caulfield and Clayton)
FIT1006 Business information analysis
FIT2034 Computer programming 2
FIT2076 Web-database interface
FIT2077 Advanced data management
FIT2078 Introduction to security
FIT3031 Information and network security
FIT3056 Secure and trusted software systems

Information management (Caulfield and Clayton)
FIT1006 Business information analysis
FIT1037 Information management
FIT2074 Technology, information and organisations
FIT2080 Information architecture
FIT3098 Social informatics
FIT3099 Knowledge management
FIT3147 Managing data

Extra curricular activities
Advanced seminars and projects
Leadership programs
Monash Undergraduate Research Projects Abroad (MURPA)
MURPA seminars
Summer vacation project