Bachelor of Information Technology and Bachelor of Science (C2003) – 2018 Business information systems major

Business	Business information systems major					
Year 1 (48	Year 1 (48 credit points)					
First Semester	FIT1051 Programming fundamentals in java	FIT1006 Business information analysis** [Yr 12 Maths or MTH1010]	Science major Approved level 1 sequence 1	Approved level 1 sequence 2		
Second Semester	FIT1047 Introduction to computer systems, networks and security	FIT Elective 1	Science major Approved level 1 sequence 1	Approved Level 1 sequence 2		
	credit points)					
First Semester	FIT1049 IT professional practice [12 pts FIT study]	FIT2081 Mobile applications development [One of FIT1045, FIT1048 or FIT1051] OR FIT2095 eBusiness software technologies [FIT1051]	Science major - level 2	One of SCI1020, STA1010, MTH1020, MTH1030 [or level one Science elective if already taken as part of another sequence]		
Second Semester	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	FIT2090 Business information systems and processes [24pts FIT or BusEco study]	Science major - level 2	SCI2010 Scientific practice and communication or SCI2015 Scientific practice and communication (advanced)		
	credit points)	l	T			
First Semester	FIT2001 Systems development [24pts FIT study]	FIT3174 IT strategy and governance [24pts FIT level 2 study] OR FIT3138 Real time enterprise systems [12 pts FIT, SCI, ENG study]	Science major - level 3	Science elective		
Second Semester	FIT2002 IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003) and FIT1049]	FIT3003 Business intelligence and data warehousing [FIT2094] OR FIT3152 Data analytics [FIT1006]	Science major - level 3	Science elective – level 2 or 3		
	credit points)					
First Semester	FIT3047 Industry experience studio project 1 [Refer to Handbook]	FIT Elective 2	Science major - level 3	Science elective – level 2 or 3		
Second Semester	FIT3048 Industry experience studio project 2 [FIT3047]	FIT3158 Business decision models [24pts FIT or BusEco study and one of FIT1006, ETC1000.	Science major - level 3	Science elective – level 2 or 3		

one of FIT1006, ETC1000, STA1010]

Bachelor of Information Technology and Bachelor of Science (C2003) – 2018 Computer networks and security major

•	credit points)	,,		
First	FIT1045	FIT1047	Science major	Approved level 1
Semester	Algorithms and		Approved level 1	sequence 2
Semester	programming	Introduction to computer systems, networks and	sequence 1	sequence 2
	fundamentals in python	security	sequence 1	
	VCE Mathematics Methods or	security		
	Specialist Mathematics units 3 &			
	4 with a study score of 25 or			
	MTH1010]			
	OR SITA A A A			
	FIT1048			
	Fundamentals of C++			
	OR			
	FIT1051			
	Programming fundamentals in java			
Second	FIT1049	FIT Elective 1	Science major	Approved Level 1
Semester	IT professional practice	FII Elective 1	Approved level 1	sequence 2
-semiester	[12 pts FIT study]		sequence 1	Jequence 2
	- ,		Jequence 1	
Year 2 (48 d	credit points)		I	I
First	FIT2001	FIT2093	Science major - level 2	One of SCI1020, STA1010,
Semester	Systems	Introduction to cyber	,	MTH1020, MTH1030 [or
	development	security		level one Science elective
	[24pts FIT study]	·		if already taken as part of
	OR			another sequence]
	FIT2099	[FIT1047 and one of FIT1045,		
	Object-oriented design	FIT1048 or FIT1051]		
	and implementation			
	[One of FIT1045, FIT1048 or FIT1051]			
Second	FIT2094	FIT2100	Science major - level 2	SCI2010 Scientific practice
Semester	Databases	Operating systems		and communication or
				SCI2015 Scientific practice
	[One of FIT1045, FIT1048 or	[FIT1047]		and communication
	FIT1051]			(advanced)
	credit points)			
	FIT Elective 2	FIT3165	Science major - level 3	Science elective
Semester		Computer networks		
		[EIT2100]		
Second	FIT2002	[FIT2100] FIT3031	Science major - level 3	Science elective – level 2
Semester	IT project management	Information and network	Jerenice major - lever J	or 3
	[36pts level 1 study including	security		3. 3
	one of (FIT1040, FIT1045,	[FIT1047]		
	FIT1048, FIT1051, ENG1003) and FIT1049]			
Year 4 (48	credit points)		I	I
First	FIT3047	FIT3173	Science major - level 3	Science elective – level 2
Semester	Industry experience	Software security		or 3
	studio project 1	[One of FIT1045 or FIT1048 or		
	[Refer to Handbook]	FIT1051]		
Second	FIT3048	FIT2081	Science major - level 3	Science elective – level 2
Semester	Industry experience	Mobile applications		or 3
	studio project 2	development		
	[FIT3047]	[One of FIT1045 or FIT1048 or FIT1051]		
		OR		
		FIT3142		
			1	
		Distributed computing		

Bachelor of Information Technology and Bachelor of Science (C2003) – 2018 Games development major

dames development major				
	credit points)			
First	FIT1047	FIT1033	Science major	Approved level 1
Semester	Introduction to computer	Foundations of 3D	Approved level 1	sequence 2
	systems, networks and		sequence 1	
	security			
Second	FIT2073	FIT1048	Science major	Approved Level 1
Semester	Game design studio 1	Fundamentals of C++	Approved level 1	sequence 2
			sequence 1	
Year 2 (48	credit points)			
First	FIT2001	FIT2096	Science major - level 2	One of SCI1020, STA1010,
Semester	Systems	Games programming 1		MTH1020, MTH1030 [or
	development			level one Science elective
	[24pts FIT study]	[FIT1048]		if already taken as part of
	OR			another sequence]
	FIT2099			
	Object-oriented design			
	and implementation [One of FIT1045, FIT1048 or			
	FIT1051]			
Second	FIT1049	FIT2097	Science major - level 2	SCI2010 Scientific practice
Semester	IT professional practice	Games programming 2	_	and communication or
				SCI2015 Scientific practice
	[12 pts FIT study]	[FIT2096]		and communication
				(advanced)
Year 3 (48	credit points)			
First	FIT2094	FIT3094	Science major - level 3	Science elective
Semester	Databases	Artificial life, artificial		
		intelligence and virtual		
	[One of FIT1045, FIT1048 or	environments		
	FIT1051]	[FIT2096]		
Second	FIT2002	FIT3145	Science major - level 3	Science elective – level 2
Semester	IT project management [36pts level 1 study including	Game design studio 2		or 3
	one of (FIT1040, FIT1045,			
	FIT1048, FIT1051, ENG1003) and	[FIT2073]		
	FIT1049]			
	credit points)		0 1 10	
First	FIT3039	FIT Elective	Science major - level 3	Science elective – level 2
Semester	Studio project 1 [FIT2092 or (FIT2073 and			or 3
	[FIT2092 or (FIT2073 and FIT2096)]			
Second	FIT3040	FIT3146	Science major - level 3	Science elective – level 2
Semester	Studio project 2	Emergent technologies		or 3
	[FIT3039]	and interfaces		
		[24pts level 2 or 3 FIT study]		
		,-	l .	

Bachelor of Information Technology and Bachelor of Science (C2003) – 2018 Interactive media major

Interacti	Interactive media major				
Year 1 (48	credit points)				
First	FIT1045	FIT1033	Science major	Approved level 1	
Semester	Algorithms and programming fundamentals in python [VCE Mathematics Methods or Specialist Mathematics units 3 & 4 with a study score of 25 or MTH1010] OR FIT1048 Fundamentals of C++ OR FIT1051 Programming	Foundations of 3D	Approved level 1 sequence 1	sequence 2	
Cocond	fundamentals in java FIT1047	FIT1046	Colonea major	Approved Lovel 1	
Second Semester	Introduction to computer systems, networks and security	FIT1046 Creative computing foundations	Science major Approved level 1 sequence 1	Approved Level 1 sequence 2	
Year 2 (48	credit points)				
First	FIT1049	FIT2091	Science major - level 2	One of SCI1020, STA1010,	
Semester	IT professional practice [12 pts FIT study]	Creative computing studio 1		MTH1020, MTH1030 [or level one Science elective if already taken as part of	
		[FIT1046]		another sequence]	
Second	FIT2087	FIT2092	Science major - level 2	SCI2010 Scientific practice	
Semester	Advanced 3D [FIT1033]	Creative computing studio 2 [FIT2091]		and communication or SCI2015 Scientific practice and communication (advanced)	
Year 3 (48	Year 3 (48 credit points)				
First	FIT2001	FIT2094	Science major - level 3	Science elective	
Semester	Systems development [24pts FIT study] OR FIT2099 Object-oriented design and implementation [One of FIT1045, FIT1048 or FIT1051]	Databases [One of FIT1045, FIT1048 or FIT1051]			
Second	FIT2002	FIT3156	Science major - level 3	Science elective – level 2	
Semester	IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003) and FIT1049]	Advanced visual effects [FIT2087 and FIT2092]		or 3	
	credit points)	FIT24CO	Catanana mada 1 12	Calana alanti I I I I	
First Semester	FIT3039 Studio project 1 [FIT2092 or (FIT2073 and FIT2096)]	FIT3169 Immersive environments [FIT1033]	Science major - level 3	Science elective – level 2 or 3	
Second	FIT3040	FIT3146	Science major - level 3	Science elective – level 2	
Semester	Studio project 2 [FIT3039]	Emergent technologies and interfaces		or 3	

[24pts level 2 or 3 FIT study]

Bachelor of Information Technology and Bachelor of Science (C2003) – 2018 Software development major

Year 1	(48 credit	points)
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Algorithms and programming	Web fundamentals	Approved level 1	sequence 2
		sequence 1	
fundamentals in python			
[VCE Mathematics Methods or			
·			
•			
•			
FIT1051			
Programming			
fundamentals in java			
FIT1047	FIT Elective 1	Science major	Approved Level 1
Introduction to computer		Approved level 1	sequence 2
systems, networks and		sequence 1	
security			
	Specialist Mathematics units 3 & 4 with a study score of 25 or MTH1010] OR FIT1048 Fundamentals of C++ OR FIT1051 Programming fundamentals in java FIT1047 Introduction to computer systems, networks and security	Specialist Mathematics units 3 & 4 with a study score of 25 or MTH1010] OR FIT1048 Fundamentals of C++ OR FIT1051 Programming fundamentals in java FIT1047 Introduction to computer systems, networks and security	Specialist Mathematics units 3 & 4 with a study score of 25 or MTH1010] OR FIT1048 Fundamentals of C++ OR FIT1051 Programming fundamentals in java FIT1047 Introduction to computer systems, networks and FIT Elective 1 Science major Approved level 1 sequence 1

Year 2 (48 credit points)

First Semester	FIT2001 Systems development [24pts FIT study]	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	Science major - level 2	One of SCI1020, STA1010, MTH1020, MTH1030 [or level one Science elective if already taken as part of another sequence]
Second Semester	FIT1049 IT professional practice [12 pts FIT study]	FIT2104 Web database interface [FIT1050 and FIT1051 and FIT2094] OR FIT2081 Mobile application development [FIT1045, FIT1048 or FIT1051]	Science major - level 2	SCI2010 Scientific practice and communication or SCI2015 Scientific practice and communication (advanced)

Year 3 (48 credit points)

First	FIT Elective 2	FIT3175	Science major - level 3	Science elective
Semester		Usability [FIT1045, FIT1048 or FIT1051]		
Second	FIT2002	FIT Elective 3	Science major - level 3	Science elective – level 2
Semester	IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003) and FIT1049]			or 3

Year 4 (48 credit points)

First	FIT3047	Software Development	Science major - level 3	Science elective – level 2
Semester	Industry experience	unit		or 3
	studio project 1	(choose from list)		
	[Refer to Handbook]			
Second	FIT3048	Software Development	Science major - level 3	Science elective – level 2
Semester	Industry experience	unit		or 3
	studio project 2	(choose from list)		
	[FIT3047]			

Software Development units:

FIT3077 Software engineering: architecture and design FIT3134 IT-based entrepreneurship

FIT3146 Emergent technologies and interfaces FIT3157 Advanced web design

FIT3173 Software security FIT3176 Advanced database design FIT3178 Advanced mobile apps

Bachelor of Science Majors and Sequences:

For information on Science majors and approved sequences, refer to https://www.monash.edu/science/current-students/manage-your-science-studies

Notes

Credit points	Unless specified, all units are worth 6 credit points Bachelor of Information Technology and Bachelor of Science 32 units x 6cp = Total of 192 credit points	
Unit requisites	All pre-requisite and co-requisite requirements must be undertaken in order to be able to enrol into a specific unit	
Duration of degree	4 years full-time, 8 years part-time	
Time limit	Time limit: 10 years. Students have ten years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the ten years.	
Monash University handbook	Students should follow the course requirements for the year the course was commenced http://monash.edu/pubs/2018handbooks/courses/index-byfaculty-it.html	