Bachelor of Information Technology and Bachelor of Science (C2003) – 2017 Business information systems major Year 1 (48 credit points)

Year 1 (48	credit points)			
First	FIT1051	FIT1006 Business	Science major	Approved level 1
Semester	Programming	information analysis**	Approved level 1	sequence 2
	fundamentals in java	[Yr 12 Maths or <u>MTH1010</u>]	sequence 1	
Second	FIT1047	FIT Elective 1	Science major	Approved Level 1
Semester	Introduction to computer		Approved level 1	sequence 2
	systems, networks and		sequence 1	
	security			
Year 2 (48	credit points)	ı		
First	FIT1049	FIT2081	Science major - level 2	One of SCI1020, STA1010,
Semester	IT professional practice	Mobile applications		MTH1020, MTH1030 [or
		development		level one Science elective
	[12 pts FIT study]	[One of FIT1045, FIT1048 or		if already taken as part of
		FIT1051]		another sequence]
		OR		
		FIT2095		
		eBusiness software		
		technologies		
Second	FIT2094	[FIT1051] FIT2090	Science major - level 2	SCI2010 Scientific practice
Semester	Databases	Business information	Science major - level 2	and communication or
Semester	Databases	systems and processes		SCI2015 Scientific practice
	[One of FIT1045, FIT1048 or	[24pts FIT or BusEco study]		and communication
	FIT1051]	[2 .pts o. 245265 5t447]		(advanced)
Vear 2 (48	credit points)			(advanced)
First	FIT2001	FIT3174	Science major - level 3	Science elective
Semester	Systems	IT strategy and	Science major - lever 5	Science elective
Semester	development	governance		
	[24pts FIT study]	[24pts FIT level 1 study and		
		FIT1006 or ETC1000]		
		OR		
		FIT3138		
		Real time enterprise		
		systems		
		[12 pts FIT, SCI, ENG study]		
Second	FIT2002	FIT3003	Science major - level 3	Science elective – level 2
Semester	IT project management	Business intelligence and		or 3
	[36pts level 1 study including one of (FIT1040, FIT1045,	data warehousing		
	FIT1048, FIT1051, ENG1003) and	[FIT2094]		
	FIT1049]	OR		
		FIT3152		
		Data analytics		
Year 4 (49	credit points)	[FIT1006]	1	
First	FIT3047	FIT Elective 2	Science major - level 3	Science elective – level 2
Semester	Industry experience	2.000	Statistic major level 5	or 3
Jemester	studio project 1			0.3
	[Refer to Handbook]			
Second	FIT3048	FIT3158	Science major - level 3	Science elective – level 2
Semester	Industry experience	Business decision models	_	or 3
	studio project 2			
	[FIT3047]			
		[FIT1006]		
	l			

Bachelor of Information Technology and Bachelor of Science (C2003) – 2017 Computer networks and security major

Year 1 (48	credit points)	• •		
First	FIT1045	FIT1047	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	Introduction to computer systems, networks and security	Approved level 1 sequence 1	sequence 2
	fundamentals in java	517 51 ··· 4		
Second Semester	FIT1049 IT professional practice [12 pts FIT study]	FIT Elective 1	Science major Approved level 1 sequence 1	Approved Level 1 sequence 2
Year 2 (48	credit points)			
First Semester	FIT2001 Systems development [24pts FIT study] OR FIT2099 Object-oriented design and implementation [One of FIT1045, FIT1048 or FIT1051]	FIT2093 Introduction to cyber security [FIT1047 and 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	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	FIT2100 Operating systems [FIT1047 and one of 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)			
	FIT Elective 2	FIT3165 Computer networks [FIT2100]	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]	FIT3031 Information and network security [FIT1047]	Science major - level 3	Science elective – level 2 or 3
Year 4 (48	credit points)			
First Semester	FIT3047 Industry experience studio project 1 [Refer to Handbook]	FIT3173 Software security [One of FIT1045 or FIT1051]	Science major - level 3	Science elective – level 2 or 3
Second Semester	FIT3048 Industry experience studio project 2 [FIT3047]	FIT2081 Mobile applications development [One of FIT1045 or FIT1048 or FIT1051] OR FIT3142 Distributed computing [FIT2100 and FIT3165]	Science major - level 3	Science elective – level 2 or 3

Bachelor of Information Technology and Bachelor of Science (C2003) – 2017 Games development major

Year 1 (48	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	
V 2/40				
Year 2 (48 First	credit points) FIT2001	FIT2096	Science major Joyel 2	One of CC11020, CTA1010
Semester	Systems	Games programming 1	Science major - level 2	One of SCI1020, STA1010, MTH1020, MTH1030 [or
Semester	development	Games programming 1		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	Soletide major level 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		
	[One of FIT104F FIT1049 or	intelligence and virtual		
	[One of FIT1045, FIT1048 or FIT1051]	environments [FIT2096]		
Second	FIT2002	FIT3145	Science major - level 3	Science elective – level 2
Semester	IT project management	Game design studio 2	,	or 3
	[36pts level 1 study including			
	one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003) and	[FIT2073]		
	FIT1049]	[1112073]		
Year 4 (48	credit points)			
First	FIT3039	FIT Elective	Science major - level 3	Science elective – level 2
Semester	Studio project 1			or 3
	[FIT2092 or (FIT2073 and FIT2096)]			
Second	FIT3040	FIT3146	Science major - level 3	Science elective – level 2
Semester	Studio project 2	Emergent technologies	Statistical major revers	or 3
	[FIT3039]	and interfaces		
		[24pts level 2 or 3 FIT study]		
			1	

Bachelor of Information Technology and Bachelor of Science (C2003) – 2017 Multimedia development major

Year 1 (48 credit points)				
		FIT1022	Colongo maiar	Approved level 1
First	FIT1045	FIT1033	Science major	Approved level 1
Semester	Algorithms and	Foundations of 3D	Approved level 1	sequence 2
	programming		sequence 1	
	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			
	fundamentals in java			
Second	FIT1047	FIT1046	Science major	Approved Level 1
Semester	Introduction to computer	Creative computing	Approved level 1	sequence 2
	systems, networks and	foundations	sequence 1	
	security			
	credit points)			
First	FIT1049	FIT2091	Science major - level 2	One of SCI1020, STA1010,
Semester	IT professional practice	Creative computing studio		MTH1020, MTH1030 [or
		1		level one Science elective
	[12 pts FIT study]			if already taken as part of
		[FIT1046]		another sequence]
Second	FIT2087	FIT2092	Science major - level 2	SCI2010 Scientific practice
Semester	Advanced 3D	Creative computing studio		and communication or
		2		SCI2015 Scientific practice
	[FIT1033]	[FIT2091]		and communication
V 2/40				(advanced)
	credit points)	FIT2004	Caiana a mariana Jawa 12	Colorada
First	FIT2001	FIT2094	Science major - level 3	Science elective
Semester	Systems	Databases		
	development [24pts FIT study]			
	OR			
	FIT2099	One of FIT1045, FIT1048 or		
	Object-oriented design	FIT1051]		
	and implementation			
	[One of FIT1045, FIT1048 or			
	FIT1051]			
Second	FIT2002	FIT3156	Science major - level 3	Science elective – level 2
Semester	IT project management	Advanced visual effects		or 3
	[36pts level 1 study including one of (FIT1040, FIT1045,	[FIT2087 and FIT2092]		
	FIT1048, FIT1051, ENG1003) and			
	FIT1049]			
	credit points)			
First	FIT3039	FIT3169	Science major - level 3	Science elective – level 2
Semester	Studio project 1	Immersive environments		or 3
	[FIT2092 or (FIT2073 and FIT2096)]			
	11	[FIT1033]		
Second	FIT3040	[FIT1033] FIT3146	Science major - level 3	Science elective – level 2
Semester	Studio project 2	Emergent technologies	Jaichee major - lever 3	or 3
- Jennester	[FIT3039]	and interfaces		
		[24pts level 2 or 3 FIT study]		
			1	

Bachelor of Information Technology and Bachelor of Science (C2003) – 2017 Software development major

First	FIT1045	FIT1050	Science major	Approved level 1
Semester	A lgorithms and	Web fundamentals	Approved level 1	sequence 2
	programming		sequence 1	
	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			
	fundamentals in java			
Second	FIT1047	FIT Elective 1	Science major	Approved Level 1
Semester	Introduction to computer		Approved level 1	sequence 2
	systems, networks and		sequence 1	
	security			
Year 2 (48	credit points)			

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			or 3
	[36pts level 1 study including			
	one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003) and			
	FIT1049]			

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-yourscience-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/2017handbooks/courses/index-byfaculty-it.html	