Bachelor of Information Technology and Bachelor of Science (C2003) – 2019 Business information systems major

Year 1 (48	credit points)			
First	FIT1051	FIT1006 Business	Science major approved	Approved level 1 science
Semester	Programming	information analysis**	level 1 sequence 1	sequence 2
	fundamentals in java	[Yr 12 Maths or MTH1010]		
Second	FIT1047	FIT Elective 1	Science major approved	Approved Level 1 science
Semester	Introduction to computer		level 1 sequence 1	sequence 2
	systems, networks and			
	security			
	credit points)		1	
First	FIT1049	FIT2081	Science major - level 2	One of SCI1020, STA1010,
Semester	IT professional practice	Mobile applications		MTH1020, MTH1030 [or level one Science elective
	[12 pts FIT study]	development [One of FIT1045, FIT1048 or		if already taken as part of
		FIT1051]		another sequence]
		OR		another sequencej
		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]			(advanced)
Year 3 (48	credit points)		1	
First	FIT2001	FIT3174	Science major - level 3	Science elective
Semester	Systems	IT strategy and		
	development	governance		
	[24pts FIT study]	[24pts FIT level 2 study] OR		
		FIT3138		
		Real time enterprise		
		systems		
		[12 pts Level 2 FIT, SCI, ENG		
		study]		
Second	FIT2002	FIT3003	Science major - level 3	Science elective – level 2
Semester	IT project management [36pts level 1 study including	Business intelligence and data warehousing		or 3
	one of (FIT1040, FIT1045,	[FIT2094]		
	FIT1048, FIT1051, ENG1003)	OR		
		FIT3152		
		Data analytics		
		[FIT1006]		
	credit points)	EIT Flooting 2	Science major Javal 2	Science elective Javel 2
First Semester	FIT3047 Industry experience	FIT Elective 2	Science major - level 3	Science elective – level 2 or 3
Semester	studio project 1			01.5
	[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]	[24pts FIT or BusEco study and		
		one of FIT1006, ETC1000, STA1010]		

Bachelor of Information Technology and Bachelor of Science (C2003) – 2019 Computer networks and security major

First	credit points) FIT1045	FIT1047	Science major	Approved level 1 science
Semester	Algorithms and programming fundamentals in python	Introduction to computer systems, networks and security	Science major approved level 1 sequence 1	Approved level 1 science sequence 2
	[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	FIT1049	FIT Elective 1	Science major	Approved Level 1 science
Semester	IT professional practice [12 pts FIT study]		approved level 1 sequence 1	sequence 2
Year 2 (48	credit points)			
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] OR			if already taken as part of
	FIT2099	[FIT1047 and one of FIT1045,		another sequence]
	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 [One of FIT1045, FIT1048 or	Operating systems [FIT1047]		and communication or SCI2015 Scientific practice and communication
	FIT1051]			(advanced)
Year 3 (48	credit points)			,
First	FIT Elective 2	FIT3165	Science major - level 3	Science elective
Semester		Computer networks [FIT2100]		
Second	FIT2002	FIT3031	Science major - level 3	Science elective – level 2
Semester	IT project management [36pts level 1 study including	Network security [FIT1047 and FIT2093]		or 3
	one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003)			
	credit points)			
First	FIT3047	FIT3173	Science major - level 3	Science elective – level 2
Semester	Industry experience	Software security [One of FIT1045 or FIT1048 or		or 3
	studio project 1 [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		
		Distributed computing		
	I	[FIT2100 and FIT3165]		

Bachelor of Information Technology and Bachelor of Science (C2003) – 2019 Games development major

dames development major								
Year 1 (48 credit points)								
First	FIT1047	FIT1033	Science major approved	Approved level 1 science				
Semester	Introduction to computer	Foundations of 3D	level 1 sequence 1	sequence 2				
	systems, networks and							
	security							
Second	FIT2073	FIT1048	Science major approved	Approved Level 1 science				
Semester	Game design studio 1	Fundamentals of C++	level 1 sequence 1	sequence 2				
	_							
Year 2 (48	Year 2 (48 credit points)							
First	FIT2001	FIT2096	Science major - level 2	One of SCI1020, STA1010,				
Semester	Systems	Games programming 1	i i	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							
Second	FIT1051] FIT1049	FIT2097	Science major - level 2	SCI2010 Scientific practice				
Semester	IT professional practice	Games programming 2	Joience major - lever 2	and communication or				
Semester	in professional practice	Gaines programming 2		SCI2015 Scientific practice				
	[12 pts FIT study]	[FIT2096]		and communication				
		[1112030]		(advanced)				
Year 3 (48	credit points)			(davaneca)				
First	FIT2094	FIT3094	Science major - level 3	Science elective				
Semester	Databases	Artificial life, artificial	Science major - lever 5	Science elective				
Semester	שממששכט	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	Game design studio 2	·	or 3				
	[36pts level 1 study including	_						
	one of (FIT1040, FIT1045,	[5,73,573,0,5,73,5,5]						
	FIT1048, FIT1051, ENG1003)	[FIT2073 & FIT2096]						
Year 4 (48	credit points)							
First	FIT3039	FIT Elective	Science major - level 3	Science elective – level 2				
Semester	Studio project 1			or 3				
	[(FIT2091 and FIT2087) or							
	(FIT2073 and FIT2096)]							
Second	FIT3040	FIT3146	Science major - level 3	Science elective – level 2				
Semester	Studio project 2	Maker lab		or 3				
	[FIT3039]	[One of FIT1045, FIT1048 or						
		FIT1051, ENG1003 and 90pts of						
		study]						

Bachelor of Information Technology and Bachelor of Science (C2003) – 2019 Interactive media major

Year 1 (48 credit points)						
		5174.000		1		
First	FIT1045	FIT1033	Science major approved	Approved level 1 science		
Semester	A lgorithms and	Foundations of 3D	level 1 sequence 1	sequence 2		
	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					
	fundamentals in java					
Second	FIT1047	FIT1046	Science major approved	Approved Level 1 science		
Semester	Introduction to computer	Creative computing	level 1 sequence 1	sequence 2		
- Jennester	systems, networks and	foundations	level i sequellee i	Sequence 2		
	security	Touridations				
Year 2 (49	credit points)		1			
First	FIT1049	FIT2091	Science major - level 2	One of SCI1020, STA1010,		
Semester	IT professional practice	Creative computing studio	Science major - level z	MTH1020, MTH1030 [or		
- Semiester	וו אוטוביייטוומו אומננונפ	1		level one Science elective		
	[12 pts FIT study]	1		if already taken as part of		
	[12 pts FIT study]	[FIT1046]		1		
Cocond	FIT2007		Colonea maiar laval 2	another sequence]		
Second	FIT2087	FIT2092	Science major - level 2	SCI2010 Scientific practice		
Semester	Advanced 3D	Creative computing studio		and communication or		
		2 [FIT2091]		SCI2015 Scientific practice		
	[FIT1033]	[F112091]		and communication		
Y 2/40	I			(advanced)		
	credit points)	5170004		6		
First	FIT2001	FIT2094	Science major - level 3	Science elective		
Semester	Systems	Databases				
	development					
	[24pts FIT study] OR					
	FIT2099	[0				
		[One of FIT1045, FIT1048 or FIT1051]				
	Object-oriented design	1031				
	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,	[FIT2091]				
	FIT1048, FIT1051, ENG1003)					
Year 4 (49	Year 4 (48 credit points)					
First	FIT3039	FIT3169	Science major - level 3	Science elective – level 2		
Semester	Studio project 1	Immersive environments	Science major - level 3	or 3		
- Semiester	[(FIT2091 and FIT2087) or	miniciaive environments		0.3		
	(FIT2073 and FIT2096)]					
	"	[FIT1033]				
Second	FIT3040	FIT3146	Science major - level 3	Science elective – level 2		
Semester	Studio project 2	Maker lab	23.333	or 3		
- Jeniestei	[FIT3039]	[One of FIT1045, FIT1048 or				
	•	FIT1051, ENG1003 and 90pts of				
		study]				

Bachelor of Information Technology and Bachelor of Science (C2003) – 2019 Software development major

	Software	e deve	lopment maj	or	
	Year 1 (48	credit po	oints)		
ш					

First	FIT1045	FIT1050	Science major approved	Approved level 1 science
Semester	A lgorithms and	Web fundamentals	level 1 sequence 1	sequence 2
	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			
	fundamentals in java			
Second	FIT1047	FIT Elective 1	Science major approved	Approved Level 1 science
Semester	Introduction to computer		level 1 sequence 1	sequence 2
	systems, networks and			
	security			

Year 2 (48 credit points)

rear 2 (48 credit points)					
First	FIT2001	FIT2094	Science major - level 2	One of SCI1020, STA1010,	
Semester	Systems	Databases		MTH1020, MTH1030 [or	
	development	[One of FIT1045, FIT1048 or		level one Science elective	
	[24pts FIT study]	FIT1051]		if already taken as part of	
				another sequence]	
Second	FIT1049	FIT2104	Science major - level 2	SCI2010 Scientific practice	
Semester	IT professional practice	Web database interface		and communication or	
		[FIT2094]		SCI2015 Scientific practice	
	[12 pts FIT study]	OR		and communication	
		FIT2081		(advanced)	
		Mobile application		,	
		development			
		[FIT1045, FIT1048 or FIT1051]			

Year 3 (48 credit points)

	rear 5 (40 creat points)					
	First	FIT Elective 2	FIT3175	Science major - level 3	Science elective	
	Semester		Usability [FIT1045, FIT1048 or FIT1051]			
ļ						
	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)			or 3	

Year 4 (48 credit points)

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

Software Development units:

FIT3077 Software engineering: architecture and design FIT3134 IT-based entrepreneurship FIT3146 Maker lab FIT3157 Advanced web design FIT3173 Software security FIT3176 Advanced database design FIT3178 iOs app development

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	gree 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 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/2019handbooks/courses/index-byfaculty-it.html			