Bachelor of Information Technology and Bachelor of Science (C2003) – 2020 Business information systems major

Year 1 (48	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 <u>MTH1010</u>]			
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				
V 2/12	security				
	credit points)	FITOCOA	6	0 (55)4030 5744040	
First	FIT1049	FIT2081	Science major - level 2	One of SCI1020, STA1010,	
Semester	IT professional practice	Mobile applications development		MTH1020, MTH1030 [or level one Science elective	
	[12 pts FIT study]	[One of FIT1045, FIT1048 or		if already taken as part of	
		FIT1051]		another sequence]	
		OR		and the sequences	
		FIT2095			
		eBusiness software			
		technologies [FIT1051]			
Second	FIT2094	FIT2090	Science major - level 2	SCI2010 Scientific practice	
Semester	Databases	Business information	coronice major rever =	and communication or	
		systems and processes		SCI2015 Scientific practice	
	[One of FIT1045, FIT1048 or	[24pts FIT or BusEco study]		and communication	
	FIT1051]			(advanced)	
	credit points)				
First	FIT2001	FIT3174	Science major - level 3	Science elective	
Semester	Systems	IT strategy and			
	development [24pts FIT study]	governance [24pts FIT level 2 study]			
	[24pts 111 study]	OR			
		FIT3138			
		Real time enterprise			
		systems			
		[12 pts Level 2 FIT, SCI, ENG			
Second	FIT2002	study] FIT3003	Science major - level 3	Science elective – level 2	
Semester	IT project management	Business intelligence and	Science major - lever 5	or 3	
Semester	[36pts level 1 study including	data warehousing		0.3	
	one of (FIT1040, FIT1045,	[FIT2094]			
	FIT1048, FIT1051, ENG1003)	OR			
		FIT3152			
		Data analytics			
Year 4 (48	Year 4 (48 credit points)				
First	FIT3047	FIT Elective 2	Science major - level 3	Science elective – level 2	
Semester	Industry experience			or 3	
	studio project 1				
	[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			
	[:::3077]	one of FIT1006, ETC1000,			
		STA1010]			

Bachelor of Information Technology and Bachelor of Science (C2003) – 2020 Computer networks and security major

Year 1 (48	Year 1 (48 credit points)				
First	FIT1045	FIT1047	Science major	Approved level 1 science	
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	Introduction to computer systems, networks and security	approved level 1 sequence 1	sequence 2	
	FIT1048 Fundamentals of C++				
	OR				
	FIT1051				
	Programming				
Second	fundamentals in java FIT1049	FIT Elective 1	Colones major	Approved Lovel 1 science	
Semester	IT professional practice [12 pts FIT study]	FIT Elective 1	Science major approved level 1 sequence 1	Approved Level 1 science sequence 2	
Year 2 (48	credit points)	I	I		
First	FIT2001	FIT2093	Science major - level 2	One of SCI1020, STA1010,	
Semester	Systems development [24pts FIT study] OR FIT2099	Introduction to cyber security [FIT1047 and one of FIT1045,		MTH1020, MTH1030 [or level one Science elective if already taken as part of another sequence]	
	Object-oriented design and implementation [One of FIT1045, FIT1048 or FIT1051]	FIT1048 or FIT1051]			
Second Semester	FIT2094 Databases	FIT2100 Operating systems	Science major - level 2	SCI2010 Scientific practice and communication or	
Jemester	[One of FIT1045, FIT1048 or FIT1051]	[FIT1047]		SCI2015 Scientific practice and communication (advanced)	
Year 3 (48	credit points)				
First	FIT Elective 2	FIT3165	Science major - level 3	Science elective	
Semester		Computer networks [FIT2100]			
Second Semester	FIT2002 IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003)	FIT3031 Network security [FIT1047 and FIT2093]	Science major - level 3	Science elective – level 2 or 3	
	credit points)	EUT0470		6. 1 1.12	
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] OR FIT3168 IT forensics [FIT2093]	Science major - level 3	Science elective – level 2 or 3	

Bachelor of Information Technology and Bachelor of Science (C2003) – 2020 Games development major

Year 1 (48	Year 1 (48 credit points)			
First	FIT1047	FIT1033	Science major approved	Approved level 1 science
Semester	Introduction to computer systems, networks and security	Foundations of 3D	level 1 sequence 1	sequence 2
Second Semester	FIT2073 Game design studio 1	FIT1048 Fundamentals of C++	Science major approved level 1 sequence 1	Approved Level 1 science sequence 2
Year 2 (48	credit points)			
First Semester	FIT2001 Systems development [24pts FIT study] OR FIT2099 Object-oriented design and implementation	FIT2096 Games programming 1 [FIT1048]	Science major - level 2	One of SCI1020, STA1010, MTH1020, MTH1030 [or level one Science elective if already taken as part of another sequence]
	[One of FIT1045, FIT1048 or FIT1051]			
Second Semester	FIT1049 IT professional practice	FIT2097 Games programming 2	Science major - level 2	SCI2010 Scientific practice and communication or SCI2015 Scientific practice
	[12 pts FIT study]	[FIT2096]		and communication (advanced)
	credit points)			
First Semester	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	FIT3094 Artificial life, artificial intelligence and virtual environments [FIT2096]	Science major - level 3	Science elective
Second Semester	FIT2002 IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003)	FIT3145 Game design studio 2 [FIT2073 & FIT2096]	Science major - level 3	Science elective – level 2 or 3
Year 4 (48	credit points)			
First Semester	FIT3039 Studio project 1 [(FIT2091 and (FIT2087 or FIT2098)) or (FIT2073 and FIT2096)]	FIT Elective	Science major - level 3	Science elective – level 2 or 3
Second Semester	FIT3040 Studio project 2 [FIT3039]	FIT3146 Maker lab [One of FIT1045, FIT1048 or FIT1051, ENG1003 and 90pts of study]	Science major - level 3	Science elective – level 2 or 3

Bachelor of Information Technology and Bachelor of Science (C2003) – 2020 Interactive media major

Year 1 (48	Year 1 (48 credit points)			
First	FIT1045	FIT1033	Science major approved	Approved level 1 science
Semester	Algorithms 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			
Cocond	fundamentals in java	FIT404C	Caiomaa maaian amamayad	A margared Lavial 1 asianas
Second Semester	FIT1047	FIT1046	Science major approved	Approved Level 1 science
Semester	Introduction to computer	Creative computing foundations	level 1 sequence 1	sequence 2
	systems, networks and security	Touridations		
Year 2 (48	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	3D character animation	Creative computing studio		and communication or
	[FIT1033] OR	[[[]]]		SCI2015 Scientific practice
	FIT2098	[FIT2091]		and communication
	Virtual and augmented			(advanced)
Voor 2 /49	reality credit points)			
First	FIT2001	FIT2094	Science major - level 3	Science elective
Semester	Systems	Databases	Science major - lever 5	Science elective
Jeinestei.	development	Databases		
	[24pts FIT study]			
	OR			
	FIT2099	[One of FIT1045, FIT1048 or		
	Object-oriented design	FIT1051]		
	and implementation			
	[One of FIT1045, FIT1048 or FIT1051]			
Second	FIT2002	FIT3172	Science major - level 3	Science elective – level 2
Semester	IT project management	Sonics	-	or 3
	[36pts level 1 study including	[24 = sints of [] 12]		
	one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003)	[24 points of level 2]		
	·			
	credit points)	l		1
First	FIT3039	FIT3169	Science major - level 3	Science elective – level 2
Semester	Studio project 1 [(FIT2091 and (FIT2087 or	Immersive environments		or 3
	[(FIT2091 and (FIT2087 or FIT2098)) or (FIT2073 and			
	FIT2096)]	[FIT1033]		
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) – 2020 Software development major

Software development major	
Year 1 (48 credit points)	

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)

•	or carre porriso,	1		
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)

1 Cai 3 (40	real 5 (40 create 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)				
	, , , , , , , , , , , , , , , , , , , ,				

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 or BEX3411 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	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 Students should follow the course requirements for the year the course was commenced		
handbook	https://handbook.monash.edu/browse/Faculty%20of%20Information%20Technology	