Bachelor of Information Technology and Bachelor of Science (C2003) – 2021 Business information systems major

Year 1 (48	credit points)	•		
First	FIT1051	FIT1006	Science major approved	Approved level 1 science
Semester	Programming	Business information	level 1 sequence 1	sequence 2
Semester	fundamentals in java	analysis	lever i sequence i	3equence 2
	Turidamentais in java	[Yr 12 Maths or MTH1010]		
		[11 12 [11] [11]		
Second	FIT1047	FIT Elective 1	Science major approved	Approved Level 1 science
Semester	Introduction to computer	2.000.70 2	level 1 sequence 1	sequence 2
Semester	systems, networks and		level i sequence i	sequence 2
	security			
Vear 2 //9	credit points)			
First	FIT1049	FIT2081	Science major - level 2	One of SCI1020, STA1010,
Semester	IT professional practice	Mobile applications	Science major - lever 2	MTH1020, MTH1030 [or
Semester	Triprofessional practice	development		level one Science elective
	[12 pts FIT study]	[One of FIT1045, FIT1048 or		
	,	FIT1051]		if already taken as part of
		OR		another sequence]
		FIT2095		
		eBusiness software		
		technologies		
		[FIT1051]		
Second	FIT2094	FIT2090	Science major - level 2	Science elective
Semester	Databases	Business information	_	
		systems and processes		
	[One of FIT1045, FIT1048 or	[24pts FIT or BusEco study]		
	FIT1051]			
	credit points)			
First	FIT2001	FIT3174	Science major - level 3	Science elective – level 2
Semester	Systems	IT strategy and		or 3
	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	Business intelligence and	Soletice major revers	or 3
- Jemester	[36pts level 1 study including	data warehousing		5. 5
	one of (FIT1040, FIT1045,	[FIT2094]		
	FIT1048, FIT1051, ENG1003)	OR		
		FIT3152		
		Data analytics		
		[FIT1006]		
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 <u>Handbook</u>]			
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) – 2021 Computer networks and security major

Year 1 (48	credit points)			
First	FIT1045	FIT1047	Science major	Approved level 1 science
Semester	Algorithms and	Introduction to computer	approved level 1	sequence 2
	programming	systems, networks and	sequence 1	
	fundamentals in python	security		
	[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 iava			
Second	fundamentals in java FIT1049	FIT Elective 1	Science major	Approved Level 1 science
		FIT Elective 1	Science major	'''
Semester	IT professional practice [12 pts FIT study]		approved level 1	sequence 2
	[12 pts 111 study]		sequence 1	
Year 2 (//9	credit points)		<u> </u>	
First	FIT2001	FIT2093	Science major - level 2	One of SCI1020, STA1010,
Semester	Systems	Introduction to cyber	Janetice major level 2	MTH1020, MTH1030 [or
Semester	development	security		level one Science elective
	[24pts FIT study]	Security		if already taken as part of
	OR			another sequence]
	FIT2099	[FIT1047 and one of FIT1045,		anether sequence;
	Object-oriented design	FIT1048 or FIT1051]		
	and implementation			
	[One of FIT1045, FIT1048 or			
	FIT1051]			
Second Semester	FIT2094 Databases	FIT2100	Science major - level 2	Science elective – level 2 or 3
Semester	Databases	Operating systems		01.5
	[One of FIT1045, FIT1048 or	[FIT1047]		
	FIT1051]			
Year 3 (48	credit points)			
First	FIT Elective 2	FIT3165	Science major - level 3	Science elective
Semester		Computer networks		
		[FIT1047 and one of FIT1045,		
Cocond	FIT2002	FIT1048 or FIT1051]	Science major level 2	Science cleative level 2
Second	FIT2002	FIT1048 or FIT1051] FIT3031	Science major - level 3	Science elective – level 2
Second Semester	IT project management	FIT1048 or FIT1051] FIT3031 Network security	Science major - level 3	Science elective – level 2 or 3
		FIT1048 or FIT1051] FIT3031	Science major - level 3	
	IT project management [36pts level 1 study including	FIT1048 or FIT1051] FIT3031 Network security	Science major - level 3	
Semester	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003)	FIT1048 or FIT1051] FIT3031 Network security	Science major - level 3	
Semester Year 4 (48	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003)	FIT1048 or FIT1051] FIT3031 Network security [FIT1047 and FIT2093]	,	or 3
Semester Year 4 (48 First	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003) credit points) FIT3047	FIT1048 or FIT1051] FIT3031 Network security [FIT1047 and FIT2093]	Science major - level 3 Science major - level 3	or 3 Science elective – level 2
Semester Year 4 (48	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003) credit points) FIT3047 Industry experience	FIT1048 or FIT1051] FIT3031 Network security [FIT1047 and FIT2093]	,	or 3
Semester Year 4 (48 First	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003) credit points) FIT3047	FIT1048 or FIT1051] FIT3031 Network security [FIT1047 and FIT2093] FIT3173 Software security	,	or 3 Science elective – level 2
Semester Year 4 (48 First	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003) credit points) FIT3047 Industry experience studio project 1	FIT1048 or FIT1051] FIT3031 Network security [FIT1047 and FIT2093] FIT3173 Software security [One of FIT1045 or FIT1048 or	,	or 3 Science elective – level 2
Year 4 (48 First Semester	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003) credit points) FIT3047 Industry experience studio project 1 [Refer to Handbook]	FIT1048 or FIT1051] FIT3031 Network security [FIT1047 and FIT2093] FIT3173 Software security [One of FIT1045 or FIT1048 or FIT1051]	Science major - level 3	Science elective – level 2 or 3
Year 4 (48 First Semester Second	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003) Ccredit points) FIT3047 Industry experience studio project 1 [Refer to Handbook] FIT3048	FIT1048 or FIT1051] FIT3031 Network security [FIT1047 and FIT2093] FIT3173 Software security [One of FIT1045 or FIT1048 or FIT1051] FIT2081	Science major - level 3	Science elective – level 2 or 3 Science elective – level 2
Year 4 (48 First Semester Second	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003) credit points) FIT3047 Industry experience studio project 1 [Refer to Handbook] FIT3048 Industry experience	FIT1048 or FIT1051] FIT3031 Network security [FIT1047 and FIT2093] FIT3173 Software security [One of FIT1045 or FIT1048 or FIT1051] FIT2081 Mobile applications development [One of FIT1045 or FIT1048 or	Science major - level 3	Science elective – level 2 or 3 Science elective – level 2
Year 4 (48 First Semester Second	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003) credit points) FIT3047 Industry experience studio project 1 [Refer to Handbook] FIT3048 Industry experience studio project 2	FIT1048 or FIT1051] FIT3031 Network security [FIT1047 and FIT2093] FIT3173 Software security [One of FIT1045 or FIT1048 or FIT1051] FIT2081 Mobile applications development [One of FIT1045 or FIT1048 or FIT1051]	Science major - level 3	Science elective – level 2 or 3 Science elective – level 2
Year 4 (48 First Semester Second	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003) credit points) FIT3047 Industry experience studio project 1 [Refer to Handbook] FIT3048 Industry experience studio project 2	FIT1048 or FIT1051] FIT3031 Network security [FIT1047 and FIT2093] FIT3173 Software security [One of FIT1045 or FIT1048 or FIT1051] FIT2081 Mobile applications development [One of FIT1045 or FIT1048 or FIT1051] OR	Science major - level 3	Science elective – level 2 or 3 Science elective – level 2
Year 4 (48 First Semester Second	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003) credit points) FIT3047 Industry experience studio project 1 [Refer to Handbook] FIT3048 Industry experience studio project 2	FIT1048 or FIT1051] FIT3031 Network security [FIT1047 and FIT2093] FIT3173 Software security [One of FIT1045 or FIT1048 or FIT1051] FIT2081 Mobile applications development [One of FIT1045 or FIT1048 or FIT1051] OR FIT3142	Science major - level 3	Science elective – level 2 or 3 Science elective – level 2
Year 4 (48 First Semester Second	IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003) credit points) FIT3047 Industry experience studio project 1 [Refer to Handbook] FIT3048 Industry experience studio project 2	FIT1048 or FIT1051] FIT3031 Network security [FIT1047 and FIT2093] FIT3173 Software security [One of FIT1045 or FIT1048 or FIT1051] FIT2081 Mobile applications development [One of FIT1045 or FIT1048 or FIT1051] OR	Science major - level 3	Science elective – level 2 or 3 Science elective – level 2

Bachelor of Information Technology and Bachelor of Science (C2003) – 2021 Games development major

Semester Introduction to computer systems, networks and security Second FIT2073 FIT1048 Semester Game design studio 1 Fundamentals of C++ Science major approved level 1 sequence 1 Second Semester Fundamentals of C++ Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semester Science major approved level 1 sequence 1 Second Semister Science major approved level 1 sequence 1 Second Semister Science major approved level 1 Second Semister Science major approved level 1 Second Semister Semister Science major approved level 1 Semister Semister Science major approved level 1 Semister	proved level 1 science quence 2 proved Level 1 science quence 2
Semester Introduction to computer systems, networks and security Second FIT2073 FIT1048 Semester Game design studio 1 Fundamentals of C++ Sequence 1 Second Findamentals of C++ Sequence 1 Second Fundamentals of C++ Sequence 1 Second Semester Second Fit2073 Fundamentals of C++ Second Secon	proved Level 1 science
systems, networks and security Second FIT2073 FIT1048 Science major approved Approved Semester Game design studio 1 Fundamentals of C++ level 1 sequence 1 security Year 2 (48 credit points)	proved Level 1 science
Semester Game design studio 1 Fundamentals of C++ level 1 sequence 1 second Sec	
Year 2 (48 credit points)	quence 2
First FIT2001 FIT2096 Science major - level 2 On	
This initial i	e of SCI1020, STA1010,
Semester Systems Games programming 1 MT	ΓH1020, MTH1030 [or
development	el one Science elective
[24pts FIT study] [FIT1048] if a	Iready taken as part of
OR and	other sequence]
FIT2099	
Object-oriented design	
and implementation	
[One of FIT1045, FIT1048 or FIT1051]	
Second FIT1049 FIT2097 Science major - level 2 Science major - level 2	ence elective – level 2
Semester IT professional practice Games programming 2 or 3	3
[12 pts FIT study] [FIT2096]	
Year 3 (48 credit points)	
	ence elective
Semester Databases Artificial life, artificial	
intelligence and virtual	
[One of FIT1045, FIT1048 or environments	
FIT1051] [FIT2096]	
	ence elective – level 2
Semester IT project management Game design studio 2 or 3	3
one of (FIT1045, FIT1048, FIT1051, ENG1003) [FIT2073 & FIT2096]	
Year 4 (48 credit points)	
	ence elective – level 2
Semester Studio project 1 or 3	3
[(FIT2091 and (FIT2087 or FIT2098)) or (FIT2073 and FIT2096)]	
	ence elective – level 2
Semester Studio project 2 Maker lab or 3	3
[FIT3039] [One of FIT1045, FIT1048 or FIT1051, ENG1003 and 90pts of study]	

Bachelor of Information Technology and Bachelor of Science (C2003) – 2021 Interactive media major

Year 1 (48 credit points)					
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	Interactive media	level 1 sequence 1	sequence 2	
Semester	systems, networks and	foundations	level i sequence i	sequence 2	
	security	loundations			
Vear 2 (49	credit points)		<u> </u>		
First	FIT1049	FIT2091	Science major lovel 2	One of \$C(1020, \$TA1010	
Semester		Interactive media studio 1	Science major - level 2	One of SCI1020, STA1010, MTH1020, MTH1030 [or	
Semester	IT professional practice	Interactive media studio 1		level one Science elective	
	[42] . L. SIT . L. J.]	[FIT1046]			
	[12 pts FIT study]	[1111040]		if already taken as part of	
Carand	FIT2004	FITAGO	Coince maion lavel 2	another sequence]	
Second	FIT2094	FIT2092	Science major - level 2	Science elective – level 2	
Semester	Databases	Interactive media studio 2 [FIT2091]		or 3	
		[1112031]			
	One of FIT1045, FIT1048 or				
	FIT1051]				
Year 3 (48	credit points)				
First	FIT2001	FIT2087	Science major - level 3	Science elective	
Semester	Systems	3D character animation	-		
	development				
	[24pts FIT study]	[FIT1033]			
	OR	OR			
	FIT2099	FIT2098			
	Object-oriented design	Virtual and augmented			
	and implementation	reality			
	[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 one of (FIT1045, FIT1048,	[24 points of level 2]			
	FIT1051, ENG1003)	[24 points of level 2]			
	Year 4 (48 credit points)				
First	FIT3039	FIT3169	Science major - level 3	Science elective – level 2	
Semester	Studio project 1	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]			
		,,,	I .	1	

Bachelor of Information Technology and Bachelor of Science (C2003) – 2021 Software development major

First	FIT1045	FIT1050	Science major approved	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 FIT1048 Fundamentals of C++ OR FIT1051 Programming	Web fundamentals	level 1 sequence 1	sequence 2
	fundamentals in java			
Second	FIT1047	FIT Elective 1	Science major approved	Approved Level 1 science
Semester	Introduction to computer systems, networks and security		level 1 sequence 1	sequence 2
Year 2 (48	3 credit points)			
First	FIT2001	FIT2094	Science major - level 2	One of SCI1020, STA1010
Semester	Systems development [24pts FIT study]	Databases [One of FIT1045, FIT1048 or FIT1051]		MTH1020, MTH1030 [or level one Science elective if already taken as part of another sequence]
Second	FIT1049	FIT2104	Science major - level 2	Science elective – level 2
Semester	IT professional practice	Web database interface [FIT2094]		or 3
		OR		

Year 3 (48 credit points)

	Tear 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 (FIT1045, FIT1048,			
	FIT1051, ENG1003)			

Mobile application development

[FIT1045, FIT1048 or FIT1051]

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 <u>Handbook</u>]			
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/By%20Faculty/FacultyofInformationTechnology		