Bachelor of Information Technology and Bachelor of Science (C2003) – 2024 Business information systems major

Year 1	(48 cred	lit points)
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First	FIT1045	FIT1006	Science major approved level	Approved level 1 science
Semester	Introduction to	Business information analysis	1 sequence 1	sequence 2
	programming			
		[Yr 12 Maths or MTH1010]		
Second	FIT1047	FIT1051	Science major approved level	Approved Level 1 science
Semester	Introduction to computer	Programming fundamentals	1 sequence 1	sequence 2
	systems, networks and	in java		
	security			

Year 2 (48 credit points)

First	FIT1049	FIT2081	Science major - level 2	One of SCI1020, STA1010,
Semester	IT professional practice	Mobile applications		MTH1020, MTH1030 or
		development		MTH1035 [or level one
	[12 pts FIT study]	[FIT1045 or FIT1051]		Science elective if already
				taken as part of another
				sequence]
				(Can be taken in semester 1 or 2)
Second	FIT2095	FIT2090	Science major - level 2	SCI1000
Semester	Full stack development	Business information		Science communication to
		systems and processes		influence change
	[FIT1045 or FIT1051]	[24pts FIT or BusEco study]		
				(Can be taken in semester 1 or 2)

Year 3 (48 credit points)

First	FIT2094	FIT2001	Science major - level 3	Science elective – level 2 or 3
Semester	Databases [FIT1045 or FIT1051]	Systems development [24pts FIT study]		
Second Semester	FIT2002 IT project management [36pts level 1 study including FIT1045 or FIT1051]	FIT3138* Real time enterprise systems [12 pts FIT, SCI, ENG study]	Science major - level 3	Science elective – level 2 or 3

Year 4 (48 credit points)

	real penne,			
First	FIT3047*	FIT3152	Science major - level 3	Science elective – level 2 or 3
Semester	Industry experience studio	Data analytics		
	project 1	[FIT2094 and (one of FIT1006,		
	[Refer to <u>Handbook</u>]	ETC1000, ETF1100 or		
		equivalent)]		
Second	FIT3048*	FIT3158	Science major - level 3	Science elective – level 2 or 3
Semester	Industry experience studio	Business decision models		
	project 2	[24pts FIT or BusEco study and		
	[FIT3047]	one of FIT1006, ETC1000,		
		ETF1100 or equivalent]		

* Industry Based Learning (IBL)

- Students accepted into the IBL program completing the Business information systems major will replace FIT3047 and FIT3048 and FIT3138 with FIT3045 Industry based learning (18 points).
- IBL placements will normally be completed in semester 2 of third year or semester 1 of fourth year.
- Students completing an IBL placement must overload in one semester OR complete a summer unit in order to complete the course in 4 years.

Bachelor of Information Technology and Bachelor of Science (C2003) – 2024 Cybersecurity major

Year 1 (48 credit poin	ıts)
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FIT1045	FIT1093	Science major	Approved level 1 science
Introduction to programming	Cybersecurity tools and	approved level 1 sequence 1	sequence 2
	techniques		
	·		
FIT1047	FIT1057	Science major	Approved Level 1 science
Introduction to computer	Introduction to cyber	approved level 1 sequence 1	sequence 2
systems, networks and	security		
security			
	Introduction to programming FIT1047 Introduction to computer systems, networks and	Introduction to programming Cybersecurity tools and techniques FIT1047 Introduction to computer systems, networks and FIT1057 Introduction to cyber security	Introduction to programming Cybersecurity tools and techniques FIT1047 Introduction to computer systems, networks and Cybersecurity tools and techniques FIT1057 Introduction to cyber approved level 1 sequence 1

Year 2 (48 credit points)

First	FIT1049	FIT2081	Science major - level 2	One of SCI1020, STA1010,
Semester	IT professional practice	Mobile applications		MTH1020, MTH1030 or
	[12 pts FIT study]	development		MTH1035 [or level one
		[FIT1045 or FIT1051]		Science elective if already
				taken as part of another
				sequence
				(Can be taken in semester 1 or 2)
Second	FIT2094	FIT2100	Science major - level 2	SCI1000
Semester	Databases	Operating systems		Science communication to
				influence change
	[FIT1045 or FIT1051]	[FIT1047]		
				(Can be taken in semester 1 or 2)

Year 3 (48 credit points)

1 Cai 3 (1 0 (credit politis)			
First	FIT2001	FIT3173	Science major - level 3	Science elective – level 2 or 3
Semester	Systems	Software security		
	development			
	[24pts FIT study]	[FIT1045 and FIT2100]		
Second	FIT2002	FIT3168	Science major - level 3	Science elective – level 2 or 3
Semester	IT project management	IT forensics		
	[36pts level 1 study including			
	FIT1045 or FIT1051]	[FIT1045 and FIT2100]		

Year 4 (48 credit points)

First	FIT3047*	FIT3165	Science major - level 3	Science elective – level 2 or 3
Semester	Industry experience studio	Computer networks		
	project 1	[FIT1045]		
	[Refer to <u>Handbook</u>]			
Second	FIT3048*	FIT3031*	Science major - level 3	Science elective – level 2 or 3
Semester	Industry experience studio	Network security		
	project 2			
		[FIT1047 and FIT1093]		
	[FIT3047]			

* Industry Based Learning (IBL)

- Students accepted into the IBL program completing the Cybersecurity media major will replace FIT3047 and FIT3048 and FIT3031 with FIT3045 Industry based learning (18 points).
- IBL placements will normally be completed in semester 2 of third year or semester 1 of fourth year.
- Students completing an IBL placement must overload in one semester OR complete a summer unit in order to complete the course in 4 years.

Bachelor of Information Technology and Bachelor of Science (C2003) – 2024 Games and immersive media majo4

Year 1 (48 c	redit points)			
First	FIT1045	FIT1073	Science major approved level	Approved level 1 science
Semester	Introduction to programming	Game design	1 sequence 1	sequence 2
	5174.047	5174.000		
Second	FIT1047	FIT1033	Science major approved level	Approved Level 1 science
Semester	Introduction to computer	Foundations of 3D	1 sequence 1	sequence 2
	systems, networks and			
Veer 2 /49 e	security			
First	redit points) FIT2001	FIT2098	Science major Joyal 2	One of CC11020, STA1010
		=	Science major - level 2	One of SCI1020, STA1010, MTH1020, MTH1030 or
Semester	Systems development	Virtual and augmented		MTH1035 [or level one
	[24pts FIT study]	reality		Science elective if already
	[24pt3111 study]	[FIT1033]		taken as part of another
		[1111033]		sequence]
				sequencej
				(Can be taken in semester 1 or 2)
Second	FIT1049	FIT2145	Science major - level 2	SCI1000
Semester	IT professional practice	Game prototyping	Science major level 2	Science communication to
Jeineste.	Tr professional practice	Carrie prototyping		influence change
	[12 pts FIT study]	[FIT1073]		ge
				(Can be taken in semester 1 or 2)
Year 3 (48 c	redit points)			
First	FIT3187	FIT2096	Science major - level 3	Science elective – level 2 or 3
Semester	3D character animation	Games programming		
	[FIT2098]	[FIT1045]		
		OR		
		FIT2169		
		Immersive environments		
Second	FIT2002	[FIT1033] FIT2094	Science major level 2	Science elective – level 2 or 3
Semester	IT project management	Databases	Science major - level 3	Science elective – level 2 or 3
Semester	in project management	Databases		
	[2Cata laval 4 atouto in abouting	[FIT1045 or FIT1051]		
	[36pts level 1 study including one of FIT1045 orFIT1051]	[
Year 4 (48 c	redit points)		1	
First	FIT3039*	FIT3172*	Science major - level 3	Science elective – level 2 or 3
Semester	Studio project 1	Sonics		
	[FIT2145 and one of FIT2096 or	[24 pts of level 2 study]		
	FIT2169 and 84 points of study]	,,		
Second	FIT3040*	FIT3097	Science major - level 3	Science elective – level 2 or 3
Semester	Studio project 2	Technical art		
		[One of FIT2096, FIT2145,		

* Industry Based Learning (IBL)

[FIT3039]

- Students accepted into the IBL program completing the Games and immersive media major will replace FIT3039 and FIT3040 and FIT3172 with FIT3045 Industry based learning (18 points).
- IBL placements will normally be completed in semester 2 of third year or semester 1 of fourth year.

FIT2169]

• Students completing an IBL placement must overload in one semester OR complete a summer unit in order to complete the course in 4 years.

Bachelor of Information Technology and Bachelor of Science (C2003) – 2024 Software development major

Year 1	(48	credit	points	١
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First	FIT1045	FIT1050	Science major approved level	Approved level 1 science
Semester	Introduction to programming	Web fundamentals	1 sequence 1	sequence 2
Second	FIT1047	FIT1051	Science major approved level	Approved Level 1 science
Semester	Introduction to computer	Programming fundamentals	1 sequence 1	sequence 2
	systems, networks and	in java		
	security			

Year 2 (48 credit points)

First	FIT1049	FIT2081	Science major - level 2	One of SCI1020, STA1010,
Semester	IT professional practice	Mobile application		MTH1020, MTH1030 or
		development		MTH1035 [or level one
	[12 pts FIT study]	[FIT1045 or FIT1051]		Science elective if already
				taken as part of another
				sequence] (Semester 1 or 2)
Second	FIT2094	FIT2175	Science major - level 2	SCI1000
Semester	Databases	Usability		Science communication to
	[FIT1045 or FIT1051]			influence change
		[FIT1045 or FIT1051]		
				(Can be taken in semester 1 or 2)

Year 3 (48 credit points)

First	FIT2001	FIT3178 iOs app	Science major - level 3	Science elective – level 2 or 3
Semester	Systems	development		
	development	[FIT1045 and 24 pts of FIT Level		
	[24pts FIT study]	2 or 3 units]		
Second	FIT2002	FIT2104	Science major - level 3	Science elective – level 2 or 3
Semester	IT project management	Web database interface		
	[36pts level 1 study including			
	FIT1045 or FIT1051]	[FIT2094]		

Year 4 (48 credit points)

real + (+o creat points)				
First	FIT3047*	FIT3077	Science major - level 3	Science elective – level 2 or 3
Semester	Industry experience studio	Software engineering:		
	project 1	architecture and design		
	[Refer to <u>Handbook</u>]	[FIT1045 and FIT2001]		
Second	FIT3048*	FIT3146	Science major - level 3	Science elective – level 2 or 3
Semester	Industry experience studio	Maker lab		
	project 2	[FIT1045 or FIT1051 and 90 pts		
	[FIT3047]	of any units]		

* Industry Based Learning (IBL)

- Students accepted into the IBL program completing the Software development major will replace FIT3047 and FIT3048 and FIT3146 with FIT3045 Industry based learning (18 points).
- IBL placements will normally be completed in semester 2 of third year or semester 1 of fourth year.
- Students completing an IBL placement must overload in one semester OR complete a summer unit in order to complete the course in 4 years.

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	