Bachelor of Information Technology – 2022 Double degrees with Business and Commerce (B2017 and B2025) Business information systems major

Year 1	(48 crec	lit points)
--------	----------	-------------

First Semester	FIT1051 Programming fundamentals in java	FIT1047 Introduction to computer systems, networks and security	Degree 2	Degree 2
Second	FIT1049	FIT Elective 1	Degree 2	Degree 2
Semester	IT professional practice	OR		
		FIT1013*		
	[12 pts FIT study]	Digital futures: IT for		
		Business		

Year 2 (48 credit points)

First	FIT2001	FIT2081	Degree 2	Degree 2
Semester	Systems	Mobile applications		
	development	development		
	[24pts FIT study]	[One of FIT1045, FIT1048 or		
		FIT1051]		
		OR		
		FIT2095		
		eBusiness software		
		technologies		
		[FIT1051]		
Second	FIT2094	FIT2090	Degree 2	Degree 2
Semester	Databases	Business information		
	[One of FIT1045, FIT1048 or	systems and processes		
	FIT1051]	[24pts FIT or BusEco study]		

Year 3 (48 credit points)

First	Any unit from the Business	FIT3174	Degree 2	Degree 2
Semester	information systems major	IT strategy and governance	Degree 2	Degree 2
	not already complete (listed	[24pts FIT level 2 study]		
	below)**	OR		
	,	FIT3138		
		Real time enterprise systems		
		[12 pts Level 1 FIT, SCI, ENG		
		study]		
Second	FIT2002	FIT3003	Degree 2	Degree 2
Semester	IT project management	Business intelligence and		
	[36pts level 1 study including	data warehousing		
	one of FIT1045, FIT1048,	[FIT2094]		
	FIT1051, ENG1003]	OR		
		FIT3152		
		Data analytics		
		[FIT1006]		

Year 4 (48 credit points)

	· · · · · · · · · · · · · · · · · · ·				
First	FIT3047*	FIT Elective 2*	Degree 2	Degree 2	
Semester	Industry experience studio				
	project 1				
	[Refer to <u>Handbook</u>]				
Second	FIT3048*	FIT3158	Degree 2	Degree 2	
Semester	Industry experience studio	Business decision models			
	project 2	[24pts FIT or BusEco study and			
	[FIT3047]	one of FIT1006, ETC1000,			
		STA1010]			

^{**} Students in the double degrees with Business and Commerce will complete a unit from the Business information systems major (FIT2081 or FIT2095, FIT3174 or FIT3138, FIT3003 or FIT3152) or FIT3175 in place of FIT1006.

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT3047 and FIT3048 and an FIT Elective on the IT side of their degree 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
 vears
- IBL students or any students considering IBL completing the BIS major will need to complete FIT1013 as a FIT Elective in semester 2.

Bachelor of Information Technology – 2022 Double degrees with Business and Commerce (B2017 and B2025) Computer networks and security major

	r networks and security r			
	credit points)	najoi		
First	FIT1045	FIT1047	Degree 2	Degree 2
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	Introduction to computer systems, networks and security	Degree 2	Degree 2
	Fundamentals of C++ OR FIT1051 Programming fundamentals			
	in java			
Second Semester	FIT1049 IT professional practice [12 pts FIT study]	FIT Elective 1	Degree 2	Degree 2
Year 2 (48	credit points)			
First	FIT2001	FIT2093	Degree 2	Degree 2
Semester	Systems development [24pts FIT study] OR FIT2099	Introduction to cyber security		
	Object-oriented design and implementation [One of FIT1045, FIT1048 or FIT1051]	[FIT1047 and one of FIT1045, FIT1048 or FIT1051]		
Second	FIT2094	FIT2100	Degree 2	Degree 2
Semester	Databases [One of FIT1045, FIT1048 or FIT1051]	Operating systems [FIT1047]		
Vear 3 (48	credit points)	[[111047]		I
First	FIT Elective 2*	FIT3165	Degree 2	Degree 2
Semester	FIT Elective 2	Computer networks [FIT1047 and one of FIT1045, FIT1048 or FIT1051]	Degree 2	Degree 2
Second Semester	FIT2002 IT project management [36pts level 1 study including one of FIT1045, FIT1048, FIT1051, ENG1003]	FIT3031 Network security [FIT1047 and FIT2093]	Degree 2	Degree 2
	8 credit points)			
First Semester	FIT3047* Industry experience studio project 1 [Refer to Handbook]	FIT3173 Software security [One of FIT1045 or FIT1051]	Degree 2	Degree 2
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]	Degree 2	Degree 2

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT3047 and FIT3048 and an FIT Elective on the IT side of their degree 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.

OR FIT3168
IT forensics [FIT2093]

• 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 – 2022 Double degrees with Business and Commerce (B2017 and B2025) Games development major

FIT1033

FIT2097

[FIT2096]

Games programming 2

Year 1	(48 cred	it points))
--------	----------	------------	---

FIT1047

FIT2099

FIT1051]

FIT1049

implementation [One of FIT1045, FIT1048 or

[12 pts FIT study]

Object-oriented design and

IT professional practice

First

Second

Semester

Semester	Introduction to computer systems, networks and security	Foundations of 3D			
Second	FIT2073	FIT1048	Degree 2	Degree 2	
Semester	Game design studio 1	Fundamentals of C++			
Year 2 (48	3 credit points)				
First	FIT2001	FIT2096	Degree 2	Degree 2	
Semester	Systems	Games programming 1			
	development				
	[24pts FIT study]	[FIT1048]			
	OR	-			

Degree 2

Degree 2

Degree 2

Degree 2

Year 3 (48 credit points)

1 cai 3 (+0	real 5 (46 credit points)				
First	FIT2094	FIT3094	Degree 2	Degree 2	
Semester	Databases	Artificial life, artificial			
		intelligence and virtual			
	[One of FIT1045, FIT1048 or	environments			
	FIT1051]	[FIT2096]			
Second	FIT2002	FIT3145	Degree 2	Degree 2	
Semester	IT project management	Game design studio 2			
	_	_			
	[36pts level 1 study including one of FIT1045, FIT1048,	[FIT2073 & FIT2096]			
	FIT1051, ENG1003]				

Year 4 (48 credit points)

First	FIT3039*	FIT Elective*	Degree 2	Degree 2
Semester	Studio project 1 [(FIT2091 and (FIT2087 or			
	FIT2098)) or (FIT2073 and FIT2096)]			
Second	FIT3040*	FIT3146	Degree 2	Degree 2
Semester	Studio project 2	Maker lab		
	[FIT3039]	[One of FIT1045, FIT1048 or FIT1051, ENG1003 and 90pts of study]		

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT3039 and FIT3040 and an FIT Elective on the IT side of their degree 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 – 2022 Double degrees with Business and Commerce (B2017 and B2025) Interactive media major

Year 1	(48 cred	lit points)	١
--------	----------	-------------	---

Year 1 (48	credit points)			
First	FIT1045	FIT1033	Degree 2	Degree 2
Semester	Algorithms and programming	Foundations of 3D		
	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	Degree 2	Degree 2
Semester	Introduction to computer	Interactive media	10.00	3
	systems, networks and	foundations		
	security			
Year 2 (48	3 credit points)			
First	FIT1049	FIT2091	Degree 2	Degree 2
Semester	IT professional practice	Interactive media studio 1		
	[12 pts FIT study]	[FIT1046]		
Second	FIT2094	FIT2092	Degree 2	Degree 2
Semester	Databases	Interactive media studio 2		
	[One of FIT1045, FIT1048 or	[FIT2091]		
	FIT1051]			
	3 credit points)			1
First	FIT2001	FIT2087	Degree 2	Degree 2
Semester	Systems	3D character animation		
	development	[EIT1022]		
	[24pts FIT study]	[FIT1033] OR		
	OR FIT2099	FIT2098		
	Object-oriented design and	Virtual and augmented		
	implementation	reality		
	[One of FIT1045, FIT1048 or	,		
	FIT1051]			
Second	FIT2002	FIT3172	Degree 2	Degree 2
Semester	IT project management	Sonics		
	[36pts level 1 study including			
	one of FIT1045, FIT1048,	[24 points of level 2]		
	FIT1051, ENG1003]			
Year 4 (48	credit points)			
First	FIT3039	FIT3169	Degree 2	Degree 2
Semester	Studio project 1	Immersive environments		
	[(FIT2091 and (FIT2087 or			
	FIT2098)) or (FIT2073 and	[FIT1033]		
	FIT2096)]			
Second	FIT3040	FIT3146	Degree 2	Degree 2

Industry Based Learning (IBL)

Semester

Studio project 2

[FIT3039]

- Students accepted into the IBL program will need to discuss their unit enrolment on the IT side of the degree with the Faculty. Completing an IBL placement with the IM major may require completing an additional unit above the 192 points required for the degree.
- IBL placements will normally be completed in semester 2 of third year or semester 1 of fourth year.

Maker lab

study]

[One of FIT1045, FIT1048 or FIT1051, ENG1003 and 90pts of

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 – 2022 Double degrees with Business and Commerce (B2017 and B2025) Software development major

Year 1	(48 cred	it points))
--------	----------	------------	---

First	FIT1045	FIT1050	Degree 2	Degree 2
Semester	Algorithms and programming	Web fundamentals		
	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	Degree 2	Degree 2
Semester	Introduction to computer			
	systems, networks and			
	security			
Year 2 (48	credit points)			

Year 2 (48 credit points)

First Semester	FIT2001 Systems development [24pts FIT study]	PIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	Degree 2	Degree 2
Second	FIT1049	FIT2104	Degree 2	Degree 2
Semester	IT professional practice	Web database interface		
		[FIT2094] OR		
	[12 pts FIT study]	FIT2081		
		Mobile application		
		development		
		[FIT1045, FIT1048 or FIT1051]		

Year 3 (48 credit points)

	rear 5 (40 create points)				
First	FIT Elective 2	FIT3175	Degree 2	Degree 2	
Semes	ter	Usability			
		[FIT1045, FIT1048 or FIT1051]			
Secon	d FIT2002	FIT Elective 3*	Degree 2	Degree 2	
Semes	ter IT project management				
	[36pts level 1 study including				
	one of FIT1045, FIT1048,				
	FIT1051, ENG1003]				

Year 4 (48 credit points)

First	FIT3047*	Software development unit	Degree 2	Degree 2
Semester	Industry experience studio	(choose from list)		
	project 1			
	[Refer to Handbook]			
Second	FIT3048*	Software development unit	Degree 2	Degree 2
Semester	Industry experience studio	(choose from list)		
	project 2	·		
	[FIT3047]			

Software development units

FIT3077 Software engineering: architecture and design FIT3134 Entrepreneurship or BEX3411 Entrepreneurship FIT3146 Maker lab FIT3157 Advanced web design

FIT3173 Software security FIT3176 Advanced database design FIT3178 iOS app development

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT3047 and FIT3048 and an FIT Elective on the IT side of their degree 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.