

Bachelor of Information Technology Double Degrees – 2019

For double degrees with Business and Commerce (B2017 and B2025)

Business information systems major

Year 1 (48 credit points)

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

Year 2 (48 credit points)

First Semester	Any unit from the Business Information Extended Major (listed below)*	FIT2081 Mobile applications development [One of FIT1045, FIT1048 or FIT1051] OR FIT2095 eBusiness software technologies [FIT1051]	Degree 2	Degree 2
Second Semester	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	FIT2090 Business information systems and processes [24pts FIT or BusEco study]	Degree 2	Degree 2

Year 3 (48 credit points)

First Semester	FIT2001 Systems development [24pts FIT study]	FIT3174 IT strategy and governance [24pts FIT level 2 study] OR FIT3138 Real time enterprise systems [12 pts Level 1 FIT, SCI, ENG study]	Degree 2	Degree 2
Second Semester	FIT2002 IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003)]	FIT3003 Business intelligence and data warehousing [FIT2094] OR FIT3152 Data analytics [FIT1006]	Degree 2	Degree 2

Year 4 (48 credit points)

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

** Students in the double degrees with Business and Commerce (including the Specialist degrees) will complete a unit from the Business Information Systems extended major (FIT2081 or FIT2095, FIT3174 or FIT3138, FIT3003 or FIT3152, FIT3175) in place of FIT1006.

** IBL students or any students considering IBL will need to complete FIT1013 in semester 2.

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Computer networks and security major

Year 1 (48 credit points)

First Semester	FIT1045 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 fundamentals in java	FIT1047 Introduction to computer systems, networks and security	Degree 2	Degree 2
Second Semester	FIT1049 IT professional practice [12 pts FIT study]	FIT Elective 1	Degree 2	Degree 2

Year 2 (48 credit points)

First Semester	FIT2001 Systems development [24pts FIT study] OR FIT2099 Object-oriented design and implementation [One of FIT1045, FIT1048 or FIT1051]	FIT2093 Introduction to cyber security [FIT1047 and one of FIT1045, FIT1048 or FIT1051]	Degree 2	Degree 2
Second Semester	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	FIT2100 Operating systems [FIT1047]	Degree 2	Degree 2

Year 3 (48 credit points)

First Semester	FIT Elective 2	FIT3165 Computer networks [FIT2100]	Degree 2	Degree 2
Second Semester	FIT2002 IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003)]	FIT3031 Information and network security [FIT1047 and FIT2093]	Degree 2	Degree 2

Year 4 (48 credit points)

First Semester	FIT3047 Industry experience studio project 1 [Refer to Handbook]	FIT3173 Software security [One of FIT1045 or FIT1048 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

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Games development major

Year 1 (48 credit points)

First Semester	FIT1047 Introduction to computer systems, networks and security	FIT1033 Foundations of 3D	Degree 2	Degree 2
Second Semester	FIT2073 Game design studio 1	FIT1048 Fundamentals of C++	Degree 2	Degree 2

Year 2 (48 credit points)

First Semester	FIT2001 Systems development [24pts FIT study] OR FIT2099 Object-oriented design and implementation [One of FIT1045, FIT1048 or FIT1051]	FIT2096 Games programming 1 [FIT1048]	Degree 2	Degree 2
Second Semester	FIT1049 IT professional practice [12 pts FIT study]	FIT2097 Games programming 2 [FIT2096]	Degree 2	Degree 2

Year 3 (48 credit points)

First Semester	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	FIT3094 Artificial life, artificial intelligence and virtual environments [FIT2096]	Degree 2	Degree 2
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]	Degree 2	Degree 2

Year 4 (48 credit points)

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

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Interactive media major

Year 1 (48 credit points)

First Semester	FIT1045 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 fundamentals in java	FIT1033 Foundations of 3D	Degree 2	Degree 2
Second Semester	FIT1047 Introduction to computer systems, networks and security	FIT1046 Interactive media foundations	Degree 2	Degree 2

Year 2 (48 credit points)

First Semester	FIT1049 IT professional practice [12 pts FIT study]	FIT2091 Interactive media studio 1 [FIT1046]	Degree 2	Degree 2
Second Semester	FIT2087 Advanced 3D [FIT1033]	FIT2092 Interactive media studio 2 [FIT2091]	Degree 2	Degree 2

Year 3 (48 credit points)

First Semester	FIT2001 Systems development [24pts FIT study] OR FIT2099 Object-oriented design and implementation [One of FIT1045, FIT1048 or FIT1051]	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	Degree 2	Degree 2
Second Semester	FIT2002 IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003)]	FIT3156 Advanced visual effects [FIT2091]	Degree 2	Degree 2

Year 4 (48 credit points)

First Semester	FIT3039 Studio project 1 [(FIT2091 and FIT2087) or (FIT2073 and FIT2096)]	FIT3169 Immersive environments [FIT1033]	Degree 2	Degree 2
Second Semester	FIT3040 Studio project 2 [FIT3039]	FIT3146 Maker lab [One of FIT1045, FIT1048 or FIT1051, ENG1003 and 90pts of study]	Degree 2	Degree 2

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Software development major

Year 1 (48 credit points)

First Semester	FIT1045 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 fundamentals in java	FIT1050 Web fundamentals	Degree 2	Degree 2
Second Semester	FIT1047 Introduction to computer systems, networks and security	FIT Elective 1	Degree 2	Degree 2

Year 2 (48 credit points)

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

Year 3 (48 credit points)

First Semester	FIT Elective 2	FIT3175 Usability [FIT1045, FIT1048 or FIT1051]	Degree 2	Degree 2
Second Semester	FIT2002 IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003)]	FIT Elective 3	Degree 2	Degree 2

Year 4 (48 credit points)

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

Software Development units:

FIT3077 Software engineering: architecture and design	FIT3173 Software security
FIT3134 Entrepreneurship	FIT3176 Advanced database design
FIT3146 Maker lab	FIT3178 iOS app development
FIT3157 Advanced web design	