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

Year 1 (48 credit points)

First Semester	**FIT1051** Programming fundamentals in java	**FIT1006** Business information analysis** [Yr 12 Maths or MTH1010]	Science major approved level 1 sequence 1	Approved level 1 science sequence 2
Second Semester	**FIT1047** Introduction to computer systems, networks and security	**FIT Elective 1**	Science major approved level 1 sequence 1	Approved Level 1 science sequence 2

Year 2 (48 credit points)

First Semester	**FIT1049** IT professional practice [12 pts FIT study]	**FIT2081** Mobile applications development [One of FIT1045, FIT1048 or FIT1051] OR **FIT2095** eBusiness software technologies [FIT1051]	Science major - level 2	One of SCI1020, STA1010, MTH1020, MTH1030 [or level one Science elective if already taken as part of another sequence]
Second Semester	**FIT2094** Databases [One of FIT1045, FIT1048 or FIT1051]	**FIT2090** Business information systems and processes [24pts FIT or BusEco study]	Science major - level 2	SCI2010 Scientific practice and communication or SCI2015 Scientific practice and communication (advanced)

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 2 FIT, SCI, ENG study]	Science major - level 3	Science elective
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]	Science major - level 3	Science elective – level 2 or 3

Year 4 (48 credit points)

First Semester	**FIT3047** Industry experience studio project 1 [Refer to Handbook]	**FIT Elective 2**	Science major - level 3	Science elective – level 2 or 3
Second Semester	**FIT3048** Industry experience studio project 2 [FIT3047]	**FIT3158** Business decision models [24pts FIT or BusEco study and one of FIT1006, ETC1000, STA1010]	Science major - level 3	Science elective – level 2 or 3

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

Year 1 (48 credit points)

First Semester	**FIT1045** **A**lgorithms 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	Science major approved level 1 sequence 1	Approved level 1 science sequence 2
Second Semester	**FIT1049** 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)

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]	Science major - level 2	One of SCI1020, STA1010, MTH1020, MTH1030 [or level one Science elective if already taken as part of another sequence]
Second Semester	**FIT2094** Databases [One of FIT1045, FIT1048 or FIT1051]	**FIT2100** Operating systems [FIT1047]	Science major - level 2	SCI2010 Scientific practice and communication or SCI2015 Scientific practice and communication (advanced)

Year 3 (48 credit points)

First Semester	**FIT Elective 2**	**FIT3165** Computer networks [FIT2100]	Science major - level 3	Science elective
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

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]	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 credit points)

First Semester	**FIT1047** Introduction to computer systems, networks and security	**FIT1033** Foundations of 3D	Science major approved level 1 sequence 1	Approved level 1 science 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 [One of FIT1045, FIT1048 or FIT1051]	**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]
Second Semester	**FIT1049** IT professional practice [12 pts FIT study]	**FIT2097** Games programming 2 [FIT2096]	Science major - level 2	SCI2010 Scientific practice and communication or SCI2015 Scientific practice and communication (advanced)

Year 3 (48 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 credit points)

First Semester	**FIT1045** **A**lgorithms 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	Science major approved level 1 sequence 1	Approved level 1 science sequence 2
Second Semester	**FIT1047** Introduction to computer systems, networks and security	**FIT1046** Creative computing foundations	Science major approved level 1 sequence 1	Approved Level 1 science sequence 2

Year 2 (48 credit points)

First Semester	**FIT1049** IT professional practice [12 pts FIT study]	**FIT2091** Creative computing studio 1 [FIT1046]	Science major - level 2	One of SCI1020, STA1010, MTH1020, MTH1030 [or level one Science elective if already taken as part of another sequence]
Second Semester	**FIT2087** 3D character animation [FIT1033] OR **FIT2098** Virtual and augmented reality	**FIT2092** Creative computing studio 2 [FIT2091]	Science major - level 2	SCI2010 Scientific practice and communication or SCI2015 Scientific practice and communication (advanced)

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]	Science major - level 3	Science elective
Second Semester	**FIT2002** IT project management [36pts level 1 study including one of (FIT1040, FIT1045, FIT1048, FIT1051, ENG1003)]	**FIT3172** Sonics [24 points of level 2]	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)]	**FIT3169** Immersive environments [FIT1033]	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
Software development major

Year 1 (48 credit points)

First Semester	**FIT1045** **A**lgorithms 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	Science major approved level 1 sequence 1	Approved level 1 science sequence 2
Second Semester	**FIT1047** Introduction to computer systems, networks and security	**FIT Elective 1**	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]	**FIT2094** Databases [One of FIT1045, FIT1048 or FIT1051]	Science major - level 2	One of SCI1020, STA1010, MTH1020, MTH1030 [or level one Science elective if already taken as part of another sequence]
Second Semester	**FIT1049** IT professional practice [12 pts FIT study]	**FIT2104** Web database interface [FIT2094] OR **FIT2081** Mobile application development [FIT1045, FIT1048 or FIT1051]	Science major - level 2	SCI2010 Scientific practice and communication or SCI2015 Scientific practice and communication (advanced)

Year 3 (48 credit points)

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

Year 4 (48 credit points)

First Semester	**FIT3047** Industry experience studio project 1 [Refer to Handbook]	**Software Development unit** (choose from list)	Science major - level 3	Science elective – level 2 or 3
Second Semester	**FIT3048** Industry experience studio project 2 [FIT3047]	**Software Development unit** (choose from list)	Science major - level 3	Science elective – level 2 or 3

Software Development units:	
FIT3077 Software engineering: architecture and design	FIT3173 Software security
FIT3134 IT-based entrepreneurship or BEX3411 Entrepreneurship	FIT3176 Advanced database design
FIT3146 Maker lab	FIT3178 iOs app development
FIT3157 Advanced web design	

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