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

Year 1 (48 credit points)

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

Year 3 (48 credit points)

First Semester	**FIT2094** Databases [FIT1045 or FIT1051]	**FIT2001** Systems development [24pts FIT study]	Science major - level 3	Science elective – level 2 or 3
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)

First Semester	**FIT3047*** Industry experience studio project 1 [Refer to Handbook]	**FIT3152** Data analytics [FIT2094 and (one of FIT1006, ETC1000, ETF1100 or equivalent)]	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, ETF1100 or equivalent]	Science major - level 3	Science elective – level 2 or 3

* 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 points)

First Semester	**FIT1045** Introduction to programming	**FIT1093** Cybersecurity tools and techniques	Science major approved level 1 sequence 1	Approved level 1 science sequence 2
Second Semester	**FIT1047** Introduction to computer systems, networks and security	**FIT1057** Introduction to cyber security	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 [FIT1045 or FIT1051]	Science major - level 2	One of **SCI1020, STA1010, MTH1020, MTH1030 or MTH1035** [or level one Science elective if already taken as part of another sequence (Can be taken in semester 1 or 2)
Second Semester	**FIT2094** Databases [FIT1045 or FIT1051]	**FIT2100** Operating systems [FIT1047]	Science major - level 2	**SCI1000** Science communication to influence change (Can be taken in semester 1 or 2)

Year 3 (48 credit points)

First Semester	**FIT2001** Systems development **[24pts FIT study]**	**FIT3173** Software security [FIT1045 and FIT2100]	Science major - level 3	Science elective – level 2 or 3
Second Semester	**FIT2002** IT project management [36pts level 1 study including FIT1045 or FIT1051]	**FIT3168** IT forensics [FIT1045 and FIT2100]	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]	**FIT3165** Computer networks [FIT1045]	Science major - level 3	Science elective – level 2 or 3
Second Semester	**FIT3048*** Industry experience studio project 2 [FIT3047]	**FIT3031*** Network security [FIT1047 and FIT1093]	Science major - level 3	Science elective – level 2 or 3

* 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 credit points)

First Semester	**FIT1045** Introduction to programming	**FIT1073** Game design	Science major approved level 1 sequence 1	Approved level 1 science sequence 2
Second 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

Year 2 (48 credit points)

First Semester	**FIT2001** Systems development [24pts FIT study]	**FIT2098** Virtual and augmented reality [FIT1033]	Science major - level 2	One of **SCI1020, STA1010, MTH1020, MTH1030 or MTH1035** [or level one Science elective if already taken as part of another sequence] (Can be taken in semester 1 or 2)
Second Semester	**FIT1049** IT professional practice [12 pts FIT study]	**FIT2145** Game prototyping [FIT1073]	Science major - level 2	**SCI1000** Science communication to influence change (Can be taken in semester 1 or 2)

Year 3 (48 credit points)

First Semester	**FIT3187** 3D character animation [FIT2098]	**FIT2096** Games programming [FIT1045] OR **FIT2169** Immersive environments [FIT1033]	Science major - level 3	Science elective – level 2 or 3
Second Semester	**FIT2002** IT project management [36pts level 1 study including one of FIT1045 orFIT1051]	**FIT2094** Databases [FIT1045 or FIT1051]	Science major - level 3	Science elective – level 2 or 3

Year 4 (48 credit points)

First Semester	**FIT3039*** Studio project 1 [FIT2145 and one of FIT2096 or FIT2169 and 84 points of study]	**FIT3172*** Sonics [24 pts of level 2 study]	Science major - level 3	Science elective – level 2 or 3
Second Semester	**FIT3040*** Studio project 2 [FIT3039]	**FIT3097** Technical art [One of FIT2096, FIT2145, FIT2169]	Science major - level 3	Science elective – level 2 or 3

* Industry Based Learning (IBL)

- 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.
- 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)

First Semester	**FIT1045** Introduction to programming	**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	**FIT1051** Programming fundamentals in java	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 application development [FIT1045 or FIT1051]	Science major - level 2	One of **SCI1020, STA1010, MTH1020, MTH1030 or MTH1035** [or level one Science elective if already taken as part of another sequence] (Semester 1 or 2)
Second Semester	**FIT2094** Databases [FIT1045 or FIT1051]	**FIT2175** Usability [FIT1045 or FIT1051]	Science major - level 2	**SCI1000** Science communication to influence change (Can be taken in semester 1 or 2)

Year 3 (48 credit points)

First Semester	**FIT2001** Systems development [24pts FIT study]	**FIT3178** iOs app development [FIT1045 and 24 pts of FIT Level 2 or 3 units]	Science major - level 3	Science elective – level 2 or 3
Second Semester	**FIT2002** IT project management [36pts level 1 study including FIT1045 or FIT1051]	**FIT2104** Web database interface [FIT2094]	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]	**FIT3077** Software engineering: architecture and design [FIT1045 and FIT2001]	Science major - level 3	Science elective – level 2 or 3
Second Semester	**FIT3048*** Industry experience studio project 2 [FIT3047]	**FIT3146** Maker lab [FIT1045 or FIT1051 and 90 pts of any units]	Science major - level 3	Science elective – level 2 or 3

* 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 handbook	Students should follow the course requirements for the year the course was commenced https://handbook.monash.edu/browse/By%20Faculty/FacultyofInformationTechnology