

Bachelor of Global Studies and Bachelor of Information Technology (A2015) – 2022

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]	ATS1020 Leadership for social change	1 st year Global studies specialisation gateway
Second Semester	FIT1047 Introduction to computer systems, networks and security	FIT Elective 1 OR FIT1013* Digital futures: IT for business	ATS1052 Interdisciplinary collaboration in a global world	1 st year Global studies specialisation gateway

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 [One of FIT1045, FIT1048 or FIT1051]	ATS2086 Agency and social change	2 nd year Global studies specialisation cornerstone
Second Semester	2 nd year Global studies specialisation cornerstone OR elective depending on chosen specialisation**	Global studies Specialisation elective (overseas study)	Global studies Specialisation elective (overseas study)	Global studies Specialisation elective (overseas study)

Year 3 (48 credit points)

First Semester	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	FIT2001 Systems development [24pts FIT study]	3 rd year Global studies capstone	Global studies Specialisation elective
Second Semester	FIT2002 IT project management [36pts level 1 study including one of FIT1045, FIT1048, FIT1051, ENG1003]	FIT2090 Business information systems and processes [24pts FIT or BusEco study]	ATS3111 Social change in practice OR ATS3938 Social change in practice (Overseas intensive)	Global studies Specialisation elective

Year 4 (48 credit points)

First Semester	FIT3047* Industry experience studio project 1 [Refer to Handbook]	FIT3003 Business intelligence and data warehousing [FIT2094] OR FIT3152 Data analytics [FIT1006]	Global studies Specialisation elective	Global studies Specialisation elective
Second Semester	FIT3048* Industry experience studio project 2 [FIT3047]	FIT3158 Business decision models [24pts FIT or BusEco study and one of FIT1006, ETC1000, STA1010]	FIT3174 IT strategy and governance [24pts FIT level 2 study] OR FIT3138 Real time enterprise systems [12 pts FIT, SCI, ENG study]	FIT Elective 2*

** (Only one cornerstone is required for Cultural competence and Human rights specialisation)

* 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.
- IBL students or any students considering IBL completing the BIS major will need to complete FIT1013 in semester 2.

Bachelor of Global Studies and Bachelor of Information Technology (A2015) - 2022

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	ATS1020 Leadership for social change	1 st year Global studies specialisation gateway
Second Semester	FIT1049 IT professional practice [12 pts FIT study]	FIT Elective 1	ATS1052 Interdisciplinary collaboration in a global world	1 st year Global studies specialisation gateway

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]	ATS2086 Agency and social change	2 nd year Global studies specialisation cornerstone
Second Semester	2 nd year Global studies specialisation cornerstone OR elective depending on chosen specialisation**	Global studies Specialisation elective (overseas study)	Global studies Specialisation elective (overseas study)	Global studies Specialisation elective (overseas study)

Year 3 (48 credit points)

First Semester	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	FIT3165 Computer networks [FIT1047 and one of FIT1045, FIT1048 or FIT1051]	3 rd year Global studies capstone	Global studies Specialisation elective
Second Semester	FIT2002 IT project management [36pts level 1 study including one of FIT1045, FIT1048, FIT1051, ENG1003]	FIT2100 Operating systems [FIT1047]	ATS3111 Social change in practice OR ATS3938 Social change in practice (Overseas intensive)	Global studies Specialisation elective

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]	FIT2081 Mobile applications development [One of FIT1045 or FIT1048 or FIT1051] OR FIT3142 Distributed computing [FIT2100 and FIT3165]	Global studies Specialisation elective
Second Semester	FIT3048* Industry experience studio project 2 [FIT3047]	FIT3031 Network security [FIT1047 and FIT2093]	FIT Elective 2*	Global studies Specialisation elective

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* 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.

Bachelor of Global Studies and Bachelor of Information Technology (A2015) - 2022

Games development major

Year 1 (48 credit points)

First Semester	FIT1047 Introduction to computer systems, networks and security	FIT1033 Foundations of 3D	ATS1020 Leadership for social change	1 st year Global studies specialisation gateway
Second Semester	FIT2073 Game design studio 1	FIT1048 Fundamentals of C++	ATS1052 Interdisciplinary collaboration in a global world	1 st year Global studies specialisation gateway

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]	ATS2086 Agency and social change	2 nd year Global studies specialisation cornerstone
Second Semester	2 nd year Global studies specialisation cornerstone OR elective depending on chosen specialisation**	Global studies Specialisation elective (overseas study)	Global studies Specialisation elective (overseas study)	Global studies Specialisation elective (overseas study)

Year 3 (48 credit points)

First Semester	FIT1049 IT professional practice [12 pts FIT study]	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	3 rd year Global studies capstone	Global studies Specialisation elective
Second Semester	FIT2002 IT project management [36pts level 1 study including one of FIT1045, FIT1048, FIT1051, ENG1003]	FIT2097 Games programming 2 [FIT2096]	ATS3111 Social change in practice OR ATS3938 Social change in practice (Overseas intensive)	Global studies Specialisation elective

Year 4 (48 credit points)

First Semester	FIT3039* Studio project 1 [(FIT2091 and FIT2087) or (FIT2073 and FIT2096)]	FIT3094 Artificial life, artificial intelligence and virtual environments [FIT2096]	Global studies Specialisation elective	Global studies Specialisation elective
Second Semester	FIT3040* Studio project 2 [FIT3039]	FIT3146 Maker lab [One of FIT1045, FIT1048 or FIT1051, ENG1003 and 90pts of study]	FIT3145 Game design studio 2 [FIT2073 & FIT2096]	FIT Elective*

** (Only one cornerstone is required for Cultural competence and Human rights specialisation)

* 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 Global Studies and Bachelor of Information Technology (A2015) - 2022

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	ATS1020 Leadership for social change	1 st year Global studies specialisation gateway
Second Semester	FIT1047 Introduction to computer systems, networks and security	FIT1046 Interactive media foundations	ATS1052 Interdisciplinary collaboration in a global world	1 st year Global studies specialisation gateway

Year 2 (48 credit points)

First Semester	FIT1049 IT professional practice [12 pts FIT study]	FIT2087 3D character animation [FIT1033]	ATS2086 Agency and social change	2 nd year Global studies specialisation cornerstone
Second Semester	2 nd year Global studies specialisation cornerstone OR elective depending on chosen specialisation**	Global studies Specialisation elective (overseas study)	Global studies Specialisation elective (overseas study)	Global studies Specialisation elective (overseas study)

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]	FIT2091 Interactive media studio 1 [FIT1046]	3 rd year Global studies capstone	Global studies Specialisation elective
Second Semester	FIT2002 IT project management [36pts level 1 study including one of (FIT1045, FIT1048, FIT1051, ENG1003)]	FIT2092 Interactive media studio 2 [FIT2091]	ATS3111 Social change in practice OR ATS3938 Social change in practice (Overseas intensive)	Global studies Specialisation elective

Year 4 (48 credit points)

First Semester	FIT3039 Studio project 1 [(FIT2091 and FIT2087) or (FIT2073 and FIT2096)]	FIT3169 Immersive environments [FIT1033]	Global studies Specialisation elective	Global studies Specialisation elective
Second Semester	FIT3040 Studio project 2 [FIT3039]	FIT3146 Maker lab [One of FIT1045, FIT1048 or FIT1051, ENG1003 and 90pts of study]	FIT3172 Sonics [24 points of level 2]	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]

** (Only one cornerstone is required for Cultural competence and Human rights specialisation)

Industry Based Learning (IBL)

- 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.
- 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 Global Studies and Bachelor of Information Technology (A2015) - 2022

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	ATS1020 Leadership for social change	1 st year Global studies specialisation gateway
Second Semester	FIT1047 Introduction to computer systems, networks and security	FIT Elective 1	ATS1052 Interdisciplinary collaboration in a global world	1 st year Global studies specialisation gateway

Year 2 (48 credit points)

First Semester	FIT2001 Systems development [24pts FIT study]	FIT2094 Databases [One of FIT1045, FIT1048 or FIT1051]	ATS2086 Agency and social change	2 nd year Global studies specialisation cornerstone
Second Semester	2 nd year Global studies specialisation cornerstone OR elective depending on chosen specialisation**	Global studies Specialisation elective (overseas study)	Global studies Specialisation elective (overseas study)	Global studies Specialisation elective (overseas study)

Year 3 (48 credit points)

First Semester	FIT1049 IT professional practice [12 pts FIT study]	FIT3175 Usability [FIT1045, FIT1048 or FIT1051]	3 rd year Global studies capstone	Global studies Specialisation elective
Second Semester	FIT2002 IT project management [36pts level 1 study including one of FIT1045, FIT1048, FIT1051, ENG1003]	FIT2104 Web database interface [FIT2094] OR FIT2081 Mobile application development [FIT1045, FIT1048 or FIT1051]	ATS3111 Social change in practice OR ATS3938 Social change in practice (Overseas intensive)	Global studies Specialisation elective

Year 4 (48 credit points)

First Semester	FIT3047* Industry experience studio project 1 [Refer to Handbook]	Software development unit (choose from list)	Global studies Specialisation elective	Global studies Specialisation elective
Second Semester	FIT3048* Industry experience studio project 2 [FIT3047]	Software development unit (choose from list)	FIT Elective 2*	FIT Elective 3

** (Only one cornerstone is required for Cultural competence and Human rights specialisation)

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
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- 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.

IT Core	IT Major	Global Studies
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Notes

Credit points	Unless specified, all units are worth 6 credit points Bachelor of Information Technology and Bachelor of Global Studies 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