Bachelor of Computer Science (C2001) – Monash College July 2026 Intake
Specialisation: Algorithms and software

Monash College 48 credit points	**FIT1045** Introduction to programming **(MCD4710)** **FIT1047** Introduction to computer systems, networks and security **(MCD4700)** **FIT1049** IT professional practice **(MCD4770)** **FIT1057** Introduction to cybersecurity **(MCD4750)** **FIT1058** Foundations of computing **(MCD4760) OR MAT1830** Discrete mathematics for computer science **(MCD4440)** **FIT1033** Foundations of 3D **(MCD4730) OR FIT1050** Web fundamentals **(MCD4740)** **MTH1010** Functions and their applications **(MCD2130)** **1 x Level 1 elective (MCDXXXX)**

Monash University				
Semester 2 2026	**FIT1008** Fundamentals of algorithms	**FIT2094** Databases	**FIT2099** Object-oriented design and implementation	**Level 1, 2 or 3 Elective**
Semester 1 2027	**FIT2004** Algorithms and data structures	**FIT2014** Theory of computation	**Level 2 or 3 Elective**	**Level 2 or 3 Elective**
Semester 2 2027	**FIT3161** Computer science project 1	**FIT2109** Computer science workshop	**FIT2102** Programming paradigms	**FIT3143** Parallel computing
Semester 1 2028	**FIT3162** Computer science project 2	**FIT3155** Advanced data structures and algorithms	**Level 3 *** Algorithms and Software Approved Elective	**Level 3 Elective**

*** Approved Algorithms and software Electives (choose 1)**

FIT3080 Artificial intelligence
FIT3139 Computational modelling and simulation
FIT3146 Maker lab
FIT3159 Computer architecture
FIT3196 Computer architecture and networks
MTH3170 Network mathematics
MTH3175 Network mathematics (Advanced)

Note that not all units will be taught every year and some will be offered only in alternate years.

Notes

Credit points	Unless specified, all units are worth 6 credit points Bachelor of Computer Science 24 units x 6 credit points = Total of 144 credit points
Year Level Requirements	1) Normally 48 points, and a maximum of 60 points, of first year level units will be counted; 2) At least 36 points must be completed at third year level.
Unit requisites	All pre-requisite and co-requisite requirements must be undertaken to be able to enrol into a specific unit
Standard duration of degree	3 years full-time, 6 years part-time
Time limit	Time limit = 8 years. Students have eight years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the eight 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

Bachelor of Computer Science (C2001) – Monash College July 2026 Intake
Specialisation: Artificial intelligence

Monash College 48 credit points	**FIT1045** Introduction to programming **(MCD4710)** **FIT1047** Introduction to computer systems, networks and security **(MCD4700)** **FIT1049** IT professional practice **(MCD4770)** **FIT1057** Introduction to cybersecurity **(MCD4750)** **FIT1058** Foundations of computing **(MCD4760) OR MAT1830** Discrete mathematics for computer science **(MCD4440)** **FIT1033** Foundations of 3D **(MCD4730) OR FIT1050** Web fundamentals **(MCD4740)** **MTH1010** Functions and their applications **(MCD2130)** **1 x Level 1 elective (MCDXXXX)**

Monash University				
Semester 2 2026	**FIT1008** Fundamentals of algorithms	**FIT1061** Introduction to artificial intelligence	**FIT2094** Databases	**Level 2 or 3 Elective**
Semester 1 2027	**FIT2004** Algorithms and data structures	**FIT2014** Theory of computation	**FIT2111** Symbolic artificial intelligence and machine learning	**Level 2 or 3 Elective**
Semester 2 2027	**FIT3193** Artificial intelligence project 1	**FIT2112** Deep learning	**FIT3203** Intelligent agents	**Level 2 or 3 Elective**
Semester 1 2028	**FIT3194** Artificial intelligence project 2	**FIT3191** Generative artificial intelligence	**FIT3192** Emerging and advanced topics in artificial intelligence	**Level 3 Elective**

Notes	
Credit points	Unless specified, all units are worth 6 credit points Bachelor of Computer Science 24 units x 6 credit points = Total of 144 credit points
Year Level Requirements	1) Normally 48 points, and a maximum of 60 points, of first year level units will be counted; 2) At least 36 points must be completed at third year level.
Unit requisites	All pre-requisite and co-requisite requirements must be undertaken to be able to enrol into a specific unit
Standard duration of degree	3 years full-time, 6 years part-time
Time limit	Time limit = 8 years. Students have eight years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the eight years.
Monash University handbook	Students should follow the course requirements for the year the course was commenced https://handbook.monash.edu/browse/By Faculty/FacultyofInformationTechnology

Bachelor of Computer Science (C2001) – Monash College July 2026 Intake
Specialisation: Cybersecurity

Monash College 48 credit points	**FIT1045** Introduction to programming **(MCD4710)** **FIT1047** Introduction to computer systems, networks and security **(MCD4700)** **FIT1049** IT professional practice **(MCD4770)** **FIT1057** Introduction to cybersecurity **(MCD4750)** **FIT1058** Foundations of computing **(MCD4760) OR MAT1830** Discrete mathematics for computer science **(MCD4440)** **FIT1033** Foundations of 3D **(MCD4730) OR FIT1050** Web fundamentals **(MCD4740)** **MTH1010** Functions and their applications **(MCD2130)** **1 x Level 1 elective (MCDXXXX)**

Monash University				
Semester 2 2026	**FIT1008** Fundamentals of algorithms	**FIT1093** Cybersecurity tools and techniques	**FIT2094** Databases	**Level 2 or 3 Elective**
Semester 1 2027	**FIT2004** Algorithms and data structures	**FIT2173** Software security	**Level 2 or 3 Elective**	**Level 2 or 3 Elective**
Semester 2 2027	**FIT3188** Cybersecurity project 1	**FIT2014** Theory of computation	**FIT3186** Vulnerability analysis, response and mitigation	**Level 3*** Cybersecurity Approved Elective
Semester 1 2028	**FIT3189** Cybersecurity project 2	**FIT3185** Privacy enhancing technologies	**Level 3 Elective**	**Level 2 or 3 Elective**

*** Approved Cybersecurity Electives (choose 1)**

FIT3031 Network security
FIT3168 IT forensics
FIT3184 Cloud computing

Note that not all units will be taught every year and some will be offered only in alternate years.

Notes	
Credit points	Unless specified, all units are worth 6 credit points Bachelor of Computer Science 24 units x 6 credit points = Total of 144 credit points
Year Level Requirements	1) Normally 48 points, and a maximum of 60 points, of first year level units will be counted; 2) At least 36 points must be completed at third year level.
Unit requisites	All pre-requisite and co-requisite requirements must be undertaken to be able to enrol into a specific unit
Standard duration of degree	3 years full-time, 6 years part-time
Time limit	Time limit = 8 years. Students have eight years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the eight 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

Bachelor of Computer Science (C2001) – Monash College July 2026 Intake
Specialisation: Data science

Monash College 48 credit points	**FIT1045** Introduction to programming **(MCD4710)** **FIT1047** Introduction to computer systems, networks and security **(MCD4700)** **FIT1049** IT professional practice **(MCD4770)** **FIT1057** Introduction to cybersecurity **(MCD4750)** **FIT1058** Foundations of computing **(MCD4760) OR MAT1830** Discrete mathematics for computer science **(MCD4440)** **FIT1033** Foundations of 3D **(MCD4730) OR FIT1050** Web fundamentals **(MCD4740)** **MTH1010** Functions and their applications **(MCD2130)** **1 x Level 1 elective (MCDXXXX)**

Monash University				
Semester 2 2026	**FIT1008** Fundamentals of algorithms	**FIT1043** Introduction to data science	**FIT2086** Modelling for data analysis	**Level 2 or 3 Elective**
Semester 1 2027	**FIT2004** Algorithms and data structures	**FIT2094** Databases	**FIT2179** Data visualisation	**Level 2 or 3 Elective**
Semester 2 2027	**FIT3163** Data science project 1	**FIT2014** Theory of computation	**FIT3152** Data analytics	**Level 3*** Data Science Approved Elective
Semester 1 2028	**FIT3164** Data science project 2	**Level 3*** Data Science Approved Elective	**Level 3 Elective**	**Level 2 or 3 Elective**

*** Approved Data Science Electives (choose 2)**

FIT3003 Business intelligence and data warehousing
FIT3154 Advanced data analysis
FIT3181 Deep learning
FIT3182 Big data management and processing
FIT3183 Malicious AI and dark side security
Note that not all units will be taught every year and some will be offered only in alternate years.

Notes	
Credit points	Unless specified, all units are worth 6 credit points Bachelor of Computer Science 24 units x 6 credit points = Total of 144 credit points
Year Level Requirements	1) Normally 48 points, and a maximum of 60 points, of first year level units will be counted; 2) At least 36 points must be completed at third year level.
Unit requisites	All pre-requisite and co-requisite requirements must be undertaken to be able to enrol into a specific unit
Standard duration of degree	3 years full-time, 6 years part-time
Time limit	Time limit = 8 years. Students have eight years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the eight 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