

Bachelor of Computer Science double degrees – 2027 (March intake)

Commerce (B2008), Laws (L3011)+, Science (S2004)

Specialisation: Algorithms and software

Year 1	First Semester	Degree 1	Degree 1	FIT1045 Software development 1: programming foundations	MAT1830 Discrete mathematics for computer science
	Second Semester	Degree 1	Degree 1	FIT1047 Computing systems 1: foundations and operations	MAT1003 Mathematics for algorithms and models
Year 2	First Semester	Degree 1	Degree 1	FIT1062 Data management	FIT2134 Computing systems 2: architecture and operating systems
	Second Semester	Degree 1	Degree 1	FIT2115 Data structures and algorithms 1	FIT2102 Programming paradigms
Year 3	First Semester	Degree 1	Degree 1	FIT2119 Computing in practice: professional practice	FIT3234 Data structures and algorithms 2
	Second Semester	Degree 1	Degree 1	FIT2130* Computing in practice: project practices and management	FIT3232 Compiler engineering
Year 4	First Semester	Degree 1	Degree 1	FIT3230* Computer science in practice: project 1	FIT3235 Theory of computation 1: models of computation
	Second Semester	Degree 1	Degree 1	FIT3231* Computer science in practice: project 2	FIT3143 High performance parallel and distributed computing
+Year 5 (Laws only)	Second Semester	Laws	Laws	Laws	Laws
	First Semester	Laws	Laws	Laws	Laws

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT2130, FIT3230 and FIT3231 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 to complete the course within the expected course duration.

Degree 1 course maps

Commerce: <https://www.monash.edu/business/current-students/course-advice-and-planning/helpful-links/course-maps>

Laws: <https://www.monash.edu/students/handbooks/maps/2027>

Science: <https://www.monash.edu/students/handbooks/maps/2027>

Bachelor of Computer Science double degrees – 2027 (March intake)

Commerce (B2008), Laws (L3011)+, Science (S2004)

Specialisation: Artificial intelligence

Year 1	First Semester	Degree 1	Degree 1	FIT1045 Software development 1: programming foundations	MAT1830 Discrete mathematics for computer science
	Second Semester	Degree 1	Degree 1	FIT1047 Computing systems 1: foundations and operations	MAT1003 Mathematics for algorithms and models
Year 2	First Semester	Degree 1	Degree 1	FIT1061 AI algorithm foundations	FIT2132 Reasoning with data
	Second Semester	Degree 1	Degree 1	FIT2112 Deep learning	FIT2115 Data structures and algorithms 1
Year 3	First Semester	Degree 1	Degree 1	FIT2119 Computing in practice: professional practice	FIT2111 Symbolic artificial intelligence and machine learning
	Second Semester	Degree 1	Degree 1	FIT2130* Computing in practice: project practices and management	FIT3234 Data structures and algorithms 2
Year 4	First Semester	Degree 1	Degree 1	FIT3208* Artificial intelligence in practice: project 1	FIT3191 Generative artificial intelligence
	Second Semester	Degree 1	Degree 1	FIT3209* Artificial intelligence in practice: project 2	FIT3235 Theory of computation 1: models of computation
+Year 5 (Laws only)	Second Semester	Laws	Laws	Laws	Laws
	First Semester	Laws	Laws	Laws	Laws

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT2130, FIT3208 and FIT3209 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 to complete the course within the expected course duration.

Degree 1 course maps

Commerce: <https://www.monash.edu/business/current-students/course-advice-and-planning/helpful-links/course-maps>

Laws: <https://www.monash.edu/students/handbooks/maps/2027>

Science: <https://www.monash.edu/students/handbooks/maps/2027>

Bachelor of Computer Science double degrees – 2027 (March intake)

Commerce (B2008), Laws (L3011)+, Science (S2004)

Specialisation: Cybersecurity

Year 1	First Semester	Degree 1	Degree 1	FIT1045 Software development 1: programming foundations	MAT1830 Discrete mathematics for computer science
	Second Semester	Degree 1	Degree 1	FIT1047 Computing systems 1: foundations and operations	MAT1003 Mathematics for algorithms and models
Year 2	First Semester	Degree 1	Degree 1	FIT1057 Introduction to cybersecurity	FIT2173 Software security
	Second Semester	Degree 1	Degree 1	FIT1093 Cybersecurity tools and techniques	FIT2115 Data structures and algorithms 1
Year 3	First Semester	Degree 1	Degree 1	FIT2119 Computing in practice: professional practice	FIT3235 Theory of computation 1: models of computation
	Second Semester	Degree 1	Degree 1	FIT2135* Computing in practice: project practices and management	FIT3234 Data structures and algorithms 2
Year 4	First Semester	Degree 1	Degree 1	FIT3213* Cybersecurity in practice: project 1	FIT3185 Privacy enhancing technologies
	Second Semester	Degree 1	Degree 1	FIT3214* Cybersecurity in practice: project 2	** Approved cybersecurity elective
+Year 5 (Laws only)	Second Semester	Laws	Laws	Laws	Laws
	First Semester	Laws	Laws	Laws	Laws

** Approved Electives (choose 1)

FIT2165 Computer networks

FIT3031 Network security

FIT3168 IT forensics

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT2130, FIT3213 and FIT3214 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 to complete the course within the expected course duration.

Degree 1 course maps

Commerce: <https://www.monash.edu/business/current-students/course-advice-and-planning/helpful-links/course-maps>

Laws: <https://www.monash.edu/students/handbooks/maps/2027>

Science: <https://www.monash.edu/students/handbooks/maps/2027>

Bachelor of Computer Science double degrees – 2027 (March intake)

Commerce (B2008), Laws (L3011)+, Science (S2004)

Specialisation: Data Science

Year 1	First Semester	Degree 1	Degree 1	FIT1045 Software development 1: programming foundations	MAT1830 Discrete mathematics for computer science
	Second Semester	Degree 1	Degree 1	FIT1047 Computing systems 1: foundations and operations	MAT1003 Mathematics for algorithms and models
Year 2	First Semester	Degree 1	Degree 1	FIT1062 Data management	FIT2179 Data visualisation
	Second Semester	Degree 1	Degree 1	FIT2132 Reasoning with data	FIT2115 Data structures and algorithms 1
Year 3	First Semester	Degree 1	Degree 1	FIT2119 Computing in practice: professional practice	FIT2086 Predictive modelling and machine learning
	Second Semester	Degree 1	Degree 1	FIT2135* Computing in practice: project practices and management	FIT3234 Data structures and algorithms 2
Year 4	First Semester	Degree 1	Degree 1	FIT3220* Data science in practice: project 1	FIT3235 Theory of computation 1: models of computation
	Second Semester	Degree 1	Degree 1	FIT3221* Data science in practice: project 2	FIT3154 Learning from complex data
+Year 5 (Laws only)	Second Semester	Laws	Laws	Laws	Laws
	First Semester	Laws	Laws	Laws	Laws

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT2130, FIT3220 and FIT3221 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 to complete the course within the expected course duration.

Degree 1 course maps

Commerce: <https://www.monash.edu/business/current-students/course-advice-and-planning/helpful-links/course-maps>

Laws: <https://www.monash.edu/students/handbooks/maps/2027>

Science: <https://www.monash.edu/students/handbooks/maps/2027>