Course progression maps for 2025 commencing students

This progression map provides advice on the optimal sequencing of units and guidance on planning unit enrolment for each semester of study in conjunction with the required units outlined in the course 'Requirements' section of the Handbook. Please note that the map may be updated to reflect changes to course requirements. Be sure to review it for the latest information before re-enrolling. *Last updated: 12 October 2025*

E3005 Bachelor of Engineering (Honours) and Bachelor of Commerce

Common First Year

You do not have VCE Units 3 & 4 Specialist Maths >30 study score and VCE Units 3 & 4 Physics >25 study score: You must enrol in Foundation mathematics (ENG1090) and Foundation physics (PHS1001)					
Year	**Sem**	**Units**			
1	Sem 1 Feb	ENG1013 Engineering smart systems	ENG1090 Foundation mathematics *	PHS1001 Foundation physics * *Corequisite: ENG1090 **	ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals
	Sem 2 July	ENG1011 Engineering methods	ENG1005 Engineering mathematics *Required: ENG1090 **	ENG1014 Engineering numerical analysis *Required: ENG1005*	ECC1000 Principles of microeconomics or ECX2953 Economics **
If you require two foundation units, you will need to take the remaining core unit ENG1012 Engineering design in Year 2 (Semester 1) as an overload. This increases the total credit points needed for the double degree by 6 points. You cannot swap the semesters of any of the units.					

You do not have VCE Units 3 & 4 Specialist Maths >30 study score: You must enrol in Foundation mathematics (ENG1090)					
1	Sem 1 Feb	ENG1012 Engineering design	ENG1011 Engineering methods	ENG1090 Foundation mathematics *	ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals
	Sem 2 July	ENG1013 Engineering smart systems	ENG1005 Engineering mathematics *Required: ENG1090 **	ENG1014 Engineering numerical analysis *Required: ENG1005*	ECC1000 Principles of microeconomics or ECX2953 Economics **

You do not have VCE Units 3 & 4 Physics >25 study score: You must enrol in Foundation physics (PHS1001)					
1	Sem 1 Feb	ENG1005 Engineering mathematics *Required: ENG1090 **	ENG1013 Engineering smart systems	PHS1001 Foundation physics *	ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals
	Sem 2 July	ENG1011 Engineering methods	ENG1012 Engineering design	ENG1014 Engineering numerical analysis *Required: ENG1005*	ECC1000 Principles of microeconomics or ECX2953 Economics **

You have completed VCE Units 3 & 4 Physics >25 study score and VCE Units 3 and 4 Specialist Maths >30 study score: No foundation units are required					
1	Sem 1 Feb	ENG1011 Engineering methods	ENG1005 Engineering mathematics *Required: ENG1090 **	ENG1014 Engineering numerical analysis *Required: ENG1005*	ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals
	Sem 2 July	ENG1012 Engineering design	ENG1013 Engineering smart systems	First Year engineering breadth study	ECC1000 Principles of microeconomics or ECX2953 Economics **

NOTE:
It is important that you follow the course map unit sequence, as units are designed to build on prior knowledge. Taking units out of sequence can disrupt your progression and cause delays due to semester offerings and enrolment rules.

- **COMMERCE:** Some units within majors may only be offered in a specific semester. You are advised to visit Monash Business School Course Advice and Planning when planning your course and choosing major units.
- Majors other than Accounting: You must take ECC1000 if you are not completing the Accounting major.
  *** Accounting or Actuarial studies major** – If you intend to complete either major, you must complete ACC1100.
  **** Accounting major** – If you intend to major in accounting, you must complete ECX2953, as it is **required** for Professional Accounting accreditation. Please refer to Professional recognition for more information regarding the units required for accreditation.
- **ENGINEERING:** * Foundation units: You enrol in the foundation units ENG1090 and/or PHS1001 if you have not completed the Australian VCE (Units 3 & 4) or equivalent Specialist mathematics and/or Physics with the required study score.
- Each unit requires 12 hours of work per week. A full-time study week totals 48 hours. If you are unable to commit 48 hours of study due to external commitments, please speak with a course advisor about options to study less units per semester or take some units in the summer semester.
- For enrolment advice, please refer to the Course advisers webpage.

Course progression maps for 2025 commencing students

This progression map provides advice on the optimal sequencing of units and guidance on planning unit enrolment for each semester of study in conjunction with the required units outlined in the course 'Requirements' section of the Handbook. Please note that the map may be updated to reflect changes to course requirements. Be sure to review it for the latest information before re-enrolling. *Last updated: 12 October 2025*

E3005 Bachelor of Engineering (Honours) and Bachelor of Commerce

Specialisation - Aerospace Engineering

	Bachelor of Aerospace Engineering (Honours)		Bachelor of Commerce		
Year 1 Semester 1 February	Common First Year			ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals	
Year 1 Semester 2 July				ECC1000 Principles of microeconomics or ECX2953 Economics **	
Year 2 Semester 1 February	MMA2001 Design 1 Replacing MEC2402	ENG2005 Advanced engineering mathematics	ETC1000 Business and economics statistics	BTC1110 Commercial law	If two foundation units are required, you must overload to complete ENG1012 Engineering design
Year 2 Semester 2 July	MMA2004 Dynamics 1 Replacing MAE2505	MMA2003 Thermofluids 1 Replacing combined MAE2402, MAE2404	MKC1200 Principles of marketing	MGC1010 Introduction to management	
Year 3 Semester 1 February	MMA2002 Solid mechanics 1 Replacing MEC2403	MAE3001 Aero and gas dynamics Replacing combined MAE2402, MAE2404	Commerce listed major unit 1	Commerce listed major unit 2	
Year 3 Semester 2 July	MMA2005 Modelling and control Replacing MAE3408	MAE3405 Aerospace propulsion	Commerce listed major unit 3	Commerce listed major unit 4	
Year 4 Semester 1 February	MAE3401 Aerodynamics 2	MAE3002 Aerospace dynamics 2 Replacing MAE3404	Commerce listed major 3rd year level unit 5	Commerce listed major 3rd year level unit 6	
Year 4 Semester 2 July	MMA3001 Numerical methods and machine learning Replacing MEC3456	MAE3411 Aerospace structural mechanics	Commerce listed major 3rd year level unit 7	Capstone *, consulting project, international experience or internship unit	
Year 5 Semester 1 February	ENG4701 Final year project A	MAE4416 Orbital mechanics and spaceflight dynamics	Complete one Professional Practice domain unit	Commerce listed major unit 8 or additional commerce unit from the Faculty of Business and Economics	ENG0001 Continuous Professional Development (0 credit points)
Year 5 Semester 2 July	ENG4702 Final year project B	MMA4001 Finite element analysis Replacing MAE4426	MAE4410 Flight vehicle design	Commerce elective unit from the Faculty of Business and Economics	

NOTE:

It is important that you follow the course map unit sequence, as units are designed to build on prior knowledge. Taking units out of sequence can disrupt your progression and cause delays due to semester offerings and enrolment rules.

- **COMMERCE:** Some units within majors may only be offered in a specific semester. You are advised to visit Monash Business School Course Advice and Planning when planning your course and choosing major units.
- Majors other than Accounting: You must take ECC1000 if you are not completing the Accounting major.
  *** Accounting or Actuarial studies major** – If you intend to complete either major, you must complete ACC1100.
  **** Accounting major** – If you intend to major in accounting, you must complete ECX2953, as it is **required** for Professional Accounting accreditation. Please refer to Professional recognition for more information regarding the units required for accreditation.
- **ENGINEERING:** You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- **MAE2505** - If you have completed this unit as a First Year breadth study unit, it will count towards your aerospace engineering study. You must still fulfil the First Year engineering breadth study requirement by completing another breadth study unit.
- Engineering minors are not available in the Engineering double degree courses.
- Each unit requires 12 hours of work per week. A full-time study week totals 48 hours. If you are unable to commit 48 hours of study due to external commitments, please speak with a course advisor about options to study less units per semester or take some units in the summer semester.
- For enrolment advice, please refer to the Course advisers webpage.

Course progression maps for 2025 commencing students

This progression map provides advice on the optimal sequencing of units and guidance on planning unit enrolment for each semester of study in conjunction with the required units outlined in the course 'Requirements' section of the Handbook. Please note that the map may be updated to reflect changes to course requirements. Be sure to review it for the latest information before re-enrolling. *Last updated: 12 October 2025*

E3005 Bachelor of Engineering (Honours) and Bachelor of Commerce

Specialisation - Chemical Engineering

	Bachelor of Chemical Engineering (Honours)		Bachelor of Commerce		
Year 1 Semester 1 February	Common First Year			ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals	
Year 1 Semester 2 July				ECC1000 Principles of microeconomics or ECX2953 Economics **	
Year 2 Semester 1 February	ENG2005 Advanced engineering mathematics	CHM1011 Chemistry 1 or CHM1051 Chemistry 1 Advanced	ETC1000 Business and economics statistics	BTC1110 Commercial law	If two foundation units are required, you must overload to complete ENG1012 Engineering design
Year 2 Semester 2 July	CHE2162 Material and energy balances	CHE2161 Mechanics of fluids	MKC1200 Principles of marketing	MGC1010 Introduction to management	
Year 3 Semester 1 February	CHE2164 Thermodynamics 1	CHE3167 Transport phenomena and numerical methods	Commerce listed major unit 1	Commerce listed major unit 2	
Year 3 Semester 2 July	CHE2163 Heat and mass transfer	CHE3162 Process control	Commerce listed major unit 3	Commerce listed major unit 4	
Year 4 Semester 1 February	CHE3161 Chemistry and chemical thermodynamics	CHE3165 Separation processes	Commerce listed major 3rd year level unit 5	Commerce listed major 3rd year level unit 6	
Year 4 Semester 2 July	CHE3166 Process design	CHE3164 Reaction engineering	Commerce listed major 3rd year level unit 7	Capstone *, consulting project, international experience or internship unit	
Year 5 Semester 1 February	ENG4701 Final year project A	CHE4162 Particle technology	Complete one Professional Practice domain unit	Commerce listed major unit 8 or additional commerce unit from the Faculty of Business and Economics	ENG0001 Continuous Professional Development (0 credit points)
Year 5 Semester 2 July	ENG4702 Final year project B	CHE4170 Design project (12 points)		Commerce elective unit from the Faculty of Business and Economics	

NOTE:
It is important that you follow the course map unit sequence, as units are designed to build on prior knowledge. Taking units out of sequence can disrupt your progression and cause delays due to semester offerings and enrolment rules.

- **COMMERCE:** Some units within majors may only be offered in a specific semester. You are advised to visit Monash Business School Course Advice and Planning when planning your course and choosing major units.
- Majors other than Accounting: You must take ECC1000 if you are not completing the Accounting major.
  *** Accounting or Actuarial studies major** – If you intend to complete either major, you must complete ACC1100.
  **** Accounting major** – If you intend to major in accounting, you must complete ECX2953, as it is **required** for Professional Accounting accreditation. Please refer to Professional recognition for more information regarding the units required for accreditation.
- **ENGINEERING:** You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- **CHM1011, CHM1051, CHE2161** - If you have completed one of the units as a First Year breadth study unit, it will count towards your chemical engineering study. You must still fulfil the First Year engineering breadth study requirement by completing another breadth study unit.
- CHE4170 - You should not overload in the semester when undertaking this unit.
- Engineering minors are not available in the Engineering double degree courses.
- Each unit requires 12 hours of work per week. A full-time study week totals 48 hours. If you are unable to commit 48 hours of study due to external commitments, please speak with a course advisor about options to study less units per semester or take some units in the summer semester.
- For enrolment advice, please refer to the Course advisers webpage.

Course progression maps for 2025 commencing students

This progression map provides advice on the optimal sequencing of units and guidance on planning unit enrolment for each semester of study in conjunction with the required units outlined in the course 'Requirements' section of the Handbook. Please note that the map may be updated to reflect changes to course requirements. Be sure to review it for the latest information before re-enrolling. *Last updated: 12 October 2025*

E3005 Bachelor of Engineering (Honours) and Bachelor of Commerce

Specialisation - Civil Engineering

	Bachelor of Civil Engineering (Honours)		Bachelor of Commerce		
Year 1 Semester 1 February	Common First Year			ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals	
Year 1 Semester 2 July				ECC1000 Principles of microeconomics or ECX2953 Economics **	
Year 2 Semester 1 February	CIV2282 Transport and traffic engineering	CIV2206 Structural mechanics	ETC1000 Business and economics statistics	BTC1110 Commercial law	If two foundation units are required, you must overload to complete ENG1012 Engineering design
Year 2 Semester 2 July	CIV2235 Structural materials	ENG2005 Advanced engineering mathematics	MKC1200 Principles of marketing	MGC1010 Introduction to management	
Year 3 Semester 1 February	CIV3294 Structural design	CIV2263 Water systems	Commerce listed major unit 1	Commerce listed major unit 2	
Year 3 Semester 2 July	CIV3283 Road engineering	CIV2242 Geomechanics 1	Commerce listed major unit 3	Commerce listed major unit 4	
Year 4 Semester 1 February	CIV3285 Engineering hydrology	Complete one Professional Practice domain unit	Commerce listed major 3rd year level unit 5	Commerce listed major 3rd year level unit 6	
Year 4 Semester 2 July	CIV3247 Geomechanics 2	CIV3221 Building structures and technology	Commerce listed major 3rd year level unit 7	Capstone *, consulting project, international experience or internship unit	
Year 5 Semester 1 February	ENG4701 Final year project A	CIV4280 Bridge design and assessment	CIV4249 Foundation engineering	Commerce listed major unit 8 or additional commerce unit from the Faculty of Business and Economics	ENG0001 Continuous Professional Development (0 credit points)
Year 5 Semester 2 July	ENG4702 Final year project B	CIV4212 Civil and environmental engineering practice	CIV4288 Water treatment	Commerce elective unit from the Faculty of Business and Economics	

NOTE:

It is important that you follow the course map unit sequence, as units are designed to build on prior knowledge. Taking units out of sequence can disrupt your progression and cause delays due to semester offerings and enrolment rules.

- **COMMERCE:** Some units within majors may only be offered in a specific semester. You are advised to visit Monash Business School Course Advice and Planning when planning your course and choosing major units.
- Majors other than Accounting: You must take ECC1000 if you are not completing the Accounting major.
  *** Accounting or Actuarial studies major** – If you intend to complete either major, you must complete ACC1100.
  **** Accounting major** – If you intend to major in accounting, you must complete ECX2953, as it is **required** for Professional Accounting accreditation. Please refer to Professional recognition for more information regarding the units required for accreditation.
- **ENGINEERING:** You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- Engineering minors are not available in the Engineering double degree courses.
- Each unit requires 12 hours of work per week. A full-time study week totals 48 hours. If you are unable to commit 48 hours of study due to external commitments, please speak with a course advisor about options to study less units per semester or take some units in the summer semester.
- For enrolment advice, please refer to the Course advisers webpage.

Course progression maps for 2025 commencing students

This progression map provides advice on the optimal sequencing of units and guidance on planning unit enrolment for each semester of study in conjunction with the required units outlined in the course 'Requirements' section of the Handbook. Please note that the map may be updated to reflect changes to course requirements. Be sure to review it for the latest information before re-enrolling. *Last updated: 12 October 2025*

E3005 Bachelor of Engineering (Honours) and Bachelor of Commerce

Specialisation - Electrical and Computer Systems Engineering

	Bachelor of Electrical and Computer Systems Engineering (Honours)		Bachelor of Commerce		
Year 1 Semester 1 February	Common First Year			ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals	
Year 1 Semester 2 July				ECC1000 Principles of microeconomics or ECX2953 Economics **	
Year 2 Semester 1 February	ENG2005 Advanced engineering mathematics	ECE2071 Systems programming	ECE2131 Electrical circuits	ETC1000 Business and economics statistics	If two foundation units are required, you must overload to complete ENG1012 Engineering design
Year 2 Semester 2 July	ECE2072 Digital systems	ECE2111 Signals and systems	MKC1200 Principles of marketing	MGC1010 Introduction to management	
Year 3 Semester 1 February	ECE3073 Computer systems	ECE3051 Electrical energy systems	BTC1110 Commercial law	Commerce listed major unit 1	
Year 3 Semester 2 July	ECE2191 Probability and AI for engineers	ECE4132 Control system design	Commerce listed major unit 2	Commerce listed major unit 3	
Year 4 Semester 1 February	ECE3141 Information and networks	Core List A elective	Commerce listed major unit 4	Commerce listed major 3rd year level unit 5	
Year 4 Semester 2 July	ECE3121 Engineering electromagnetics	ECE3161 Analogue electronics	Commerce listed major 3rd year level unit 6	Capstone *, consulting project, international experience or internship unit	
Year 5 Semester 1 February	ENG4701 Final year project A	Complete one Professional Practice domain unit	Commerce listed major 3rd year level unit 7	Commerce listed major unit 8 or additional commerce unit from the Faculty of Business and Economics	ENG0001 Continuous Professional Development (0 credit points)
Year 5 Semester 2 July	ENG4702 Final year project B	ECE4191 Engineering integrated design	Core List A or B elective	Commerce elective unit from the Faculty of Business and Economics	

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It is important that you follow the course map unit sequence, as units are designed to build on prior knowledge. Taking units out of sequence can disrupt your progression and cause delays due to semester offerings and enrolment rules.

- **COMMERCE:** Some units within majors may only be offered in a specific semester. You are advised to visit Monash Business School Course Advice and Planning when planning your course and choosing major units.
- Majors other than Accounting: You must take ECC1000 if you are not completing the Accounting major.
  *** Accounting or Actuarial studies major** – If you intend to complete either major, you must complete ACC1100.
  **** Accounting major** – If you intend to major in accounting, you must complete ECX2953, as it is **required** for Professional Accounting accreditation. Please refer to Professional recognition for more information regarding the units required for accreditation.
- **ENGINEERING:** You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- **ECE2072** - If you have completed this unit as a First Year breadth study unit, it will count towards your ECSE study. You must still fulfil the First Year engineering breadth study requirement by completing another breadth study unit.
- Engineering minors are not available in the Engineering double degree courses.
- Each unit requires 12 hours of work per week. A full-time study week totals 48 hours. If you are unable to commit 48 hours of study due to external commitments, please speak with a course advisor about options to study less units per semester or take some units in the summer semester.
- For enrolment advice, please refer to the Course advisers webpage.

Course progression maps for 2025 commencing students

This progression map provides advice on the optimal sequencing of units and guidance on planning unit enrolment for each semester of study in conjunction with the required units outlined in the course 'Requirements' section of the Handbook. Please note that the map may be updated to reflect changes to course requirements. Be sure to review it for the latest information before re-enrolling. *Last updated: 12 October 2025*

E3005 Bachelor of Engineering (Honours) and Bachelor of Commerce

Specialisation - Environmental Engineering

	Bachelor of Environmental Engineering (Honours)		Bachelor of Commerce		
Year 1 Semester 1 February	Common First Year			ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals	
Year 1 Semester 2 July				ECC1000 Principles of microeconomics or ECX2953 Economics **	
Year 2 Semester 1 February	BTX3100 Sustainability regulation for business See footnote	ENE2021 Energy and the environment	ETC1000 Business and economics statistics	BTC1110 Commercial law	If two foundation units are required, you must overload to complete ENG1012 Engineering design
Year 2 Semester 2 July	ENG2005 Advanced engineering mathematics	ENE2268 Hydrology and climate change	MKC1200 Principles of marketing	MGC1010 Introduction to management	
Year 3 Semester 1 February	CHE2164 Thermodynamics 1	CIV2263 Water systems	Commerce listed major unit 1	Commerce listed major unit 2	
Year 3 Semester 2 July	ENE3031 Building sustainability	ENE2503 Materials properties and recycling	Commerce listed major unit 3	Commerce listed major unit 4	
Year 4 Semester 1 February	ENE4043 Quantifying sustainability in urban systems	CIV3285 Engineering hydrology	Commerce listed major 3rd year level unit 5	Commerce listed major 3rd year level unit 6	
Year 4 Semester 2 July	ENE3606 The air environment	ENE3032 Fate and transport of contaminants	Commerce listed major 3rd year level unit 7	Capstone *, consulting project, international experience or internship unit	
Year 5 Semester 1 February	ENG4701 Final year project A	Complete one Professional Practice domain unit	ENE4042 Environment impact and risk assessment	Commerce listed major unit 8 or additional commerce unit from the Faculty of Business and Economics	ENG0001 Continuous Professional Development (0 credit points)
Year 5 Semester 2 July	ENG4702 Final year project B	ENE4041 Soil remediation and solid waste management	CIV4212 Civil and environmental engineering practice	Commerce elective unit from the Faculty of Business and Economics	

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It is important that you follow the course map unit sequence, as units are designed to build on prior knowledge. Taking units out of sequence can disrupt your progression and cause delays due to semester offerings and enrolment rules.

- **COMMERCE:** Some units within majors may only be offered in a specific semester. You are advised to visit Monash Business School Course Advice and Planning when planning your course and choosing major units.
- Majors other than Accounting: You must take ECC1000 if you are not completing the Accounting major.
  *** Accounting or Actuarial studies major** – If you intend to complete either major, you must complete ACC1100.
  **** Accounting major** – If you intend to major in accounting, you must complete ECX2953, as it is **required** for Professional Accounting accreditation. Please refer to Professional recognition for more information regarding the units required for accreditation.
- **ENGINEERING:** You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- Engineering minors are not available in the Engineering double degree courses.
- BTX3100 is a core unit in both the Sustainability major and the environmental engineering specialisation. If you are majoring in Sustainability in the Bachelor of Commerce, you must replace the BTX3100 requirement in the environmental engineering specialisation with a level 3 or 4 unit chosen from the environmental engineering technical electives list and complete BTX3100 for your Sustainability major.
- Each unit requires 12 hours of work per week. A full-time study week totals 48 hours. If you are unable to commit 48 hours of study due to external commitments, please speak with a course advisor about options to study less units per semester or take some units in the summer semester.
- For enrolment advice, please refer to the Course advisers webpage.

Course progression maps for 2025 commencing students

This progression map provides advice on the optimal sequencing of units and guidance on planning unit enrolment for each semester of study in conjunction with the required units outlined in the course 'Requirements' section of the Handbook. Please note that the map may be updated to reflect changes to course requirements. Be sure to review it for the latest information before re-enrolling. *Last updated: 12 October 2025*

E3005 Bachelor of Engineering (Honours) and Bachelor of Commerce

Specialisation - Materials Engineering

	Bachelor of Materials Engineering (Honours)		Bachelor of Commerce		
Year 1 Semester 1 February	Common First Year			ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals	
Year 1 Semester 2 July				ECC1000 Principles of microeconomics or ECX2953 Economics **	
Year 2 Semester 1 February	MTE2101 Atomic-scale structure of materials	MTE2103 Mechanical properties of materials	ETC1000 Business and economics statistics	BTC1110 Commercial law	If two foundation units are required, you must overload to complete ENG1012 Engineering design
Year 2 Semester 2 July	MTE2201 Plastics and the planet: Health, impact and sustainability	ENG2005 Advanced engineering mathematics	MKC1200 Principles of marketing	MGC1010 Introduction to management	
Year 3 Semester 1 February	MTE3103 Materials life cycle	MTE2102 Phase equilibria and phase transformations	Commerce listed major unit 1	Commerce listed major unit 2	
Year 3 Semester 2 July	MTE3203 Introduction to ceramics: Properties, processing and applications	MTE2204 Materials in a complex world 1: People, projects and data	Commerce listed major unit 3	Commerce listed major unit 4	
Year 4 Semester 1 February	MTE3102 Plasticity of metals and alloys	MTE3104 Electronic and photonic materials	Commerce listed major 3rd year level unit 5	Commerce listed major 3rd year level unit 6	
Year 4 Semester 2 July	MTE3202 Magnetic and spintronic materials	MTE3201 Materials in a complex world 2: Characterisation, identification and selection	Commerce listed major 3rd year level unit 7	Capstone *, consulting project, international experience or internship unit	
Year 5 Semester 1 February	ENG4701 Final year project A	MTE4101 Integrated design project	MTE4102 Advanced materials processing and manufacturing	Commerce listed major unit 8 or additional commerce unit from the Faculty of Business and Economics	ENG0001 Continuous Professional Development (0 credit points)
Year 5 Semester 2 July	ENG4702 Final year project B	Complete one Professional Practice domain unit	Level 4 or 5 MTE-coded materials engineering technical elective	Commerce elective unit from the Faculty of Business and Economics	

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It is important that you follow the course map unit sequence, as units are designed to build on prior knowledge. Taking units out of sequence can disrupt your progression and cause delays due to semester offerings and enrolment rules.

- **COMMERCE:** Some units within majors may only be offered in a specific semester. You are advised to visit Monash Business School Course Advice and Planning when planning your course and choosing major units.
- Majors other than Accounting: You must take ECC1000 if you are not completing the Accounting major.
  *** Accounting or Actuarial studies major** – If you intend to complete either major, you must complete ACC1100.
  **** Accounting major** – If you intend to major in accounting, you must complete ECX2953, as it is **required** for Professional Accounting accreditation. Please refer to Professional recognition for more information regarding the units required for accreditation.
- **ENGINEERING:** You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- Engineering minors are not available in the Engineering double degree courses.
- Each unit requires 12 hours of work per week. A full-time study week totals 48 hours. If you are unable to commit 48 hours of study due to external commitments, please speak with a course advisor about options to study less units per semester or take some units in the summer semester.
- For enrolment advice, please refer to the Course advisers webpage.

Course progression maps for 2025 commencing students

This progression map provides advice on the optimal sequencing of units and guidance on planning unit enrolment for each semester of study in conjunction with the required units outlined in the course 'Requirements' section of the Handbook. Please note that the map may be updated to reflect changes to course requirements. Be sure to review it for the latest information before re-enrolling. *Last updated: 12 October 2025*

E3005 Bachelor of Engineering (Honours) and Bachelor of Commerce

Specialisation - Mechanical Engineering

	Bachelor of Mechanical Engineering (Honours)		Bachelor of Commerce		
Year 1 Semester 1 February	Common First Year			ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals	
Year 1 Semester 2 July				ECC1000 Principles of microeconomics or ECX2953 Economics **	
Year 2 Semester 1 February	MMA2002 Solid mechanics 1 Replacing MEC2403	ENG2005 Advanced engineering mathematics	ETC1000 Business and economics statistics	BTC1110 Commercial law	If two foundation units are required, you must overload to complete ENG1012 Engineering design
Year 2 Semester 2 July	MMA2004 Dynamics 1 Replacing MEC2401	MMA3001 Numerical methods and machine learning Replacing MEC3456	MKC1200 Principles of marketing	MGC1010 Introduction to management	
Year 3 Semester 1 February	MMA2001 Design 1 Replacing MEC2402	MEC3001 Material properties and selection	Commerce listed major unit 1	Commerce listed major unit 2	
Year 3 Semester 2 July	MMA2003 Thermofluids 1 Replacing combined MEC2404, MEC2405	MMA2005 Modelling and control Replacing MEC3457	Commerce listed major unit 3	Commerce listed major unit 4	
Year 4 Semester 1 February	MEC3455 Solid mechanics 2	MEC3451 Fluid mechanics 2	Commerce listed major 3rd year level unit 5	Commerce listed major 3rd year level unit 6	
Year 4 Semester 2 July	MEC3453 Mechanical dynamics 2	MEC3416 Mechanical design 2	Commerce listed major 3rd year level unit 7	Capstone *, consulting project, international experience or internship unit	
Year 5 Semester 1 February	ENG4701 Final year project A	Complete one Professional Practice domain unit	MEC4408 Thermodynamics 2 and heat transfer	Commerce listed major unit 8 or additional commerce unit from the Faculty of Business and Economics	ENG0001 Continuous Professional Development (0 credit points)
Year 5 Semester 2 July	ENG4702 Final year project B	MMA4001 Finite element analysis Replacing MEC4426	MEC4407 Mechanical design 3	Commerce elective unit from the Faculty of Business and Economics	

NOTE:
It is important that you follow the course map unit sequence, as units are designed to build on prior knowledge. Taking units out of sequence can disrupt your progression and cause delays due to semester offerings and enrolment rules.

- **COMMERCE:** Some units within majors may only be offered in a specific semester. You are advised to visit Monash Business School Course Advice and Planning when planning your course and choosing major units.
- Majors other than Accounting: You must take ECC1000 if you are not completing the Accounting major.
  *** Accounting or Actuarial studies major** – If you intend to complete either major, you must complete ACC1100.
  **** Accounting major** – If you intend to major in accounting, you must complete ECX2953, as it is **required** for Professional Accounting accreditation. Please refer to Professional recognition for more information regarding the units required for accreditation.
- **ENGINEERING:** You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- **MEC2404** - If you have completed this unit as a First Year breadth study unit, it will count towards your mechanical engineering study. You must still fulfil the First Year engineering breadth study requirement by completing another breadth study unit.
- Engineering minors are not available in the Engineering double degree courses.
- Each unit requires 12 hours of work per week. A full-time study week totals 48 hours. If you are unable to commit 48 hours of study due to external commitments, please speak with a course advisor about options to study less units per semester or take some units in the summer semester.
- For enrolment advice, please refer to the Course advisers webpage.

Course progression maps for 2025 commencing students

This progression map provides advice on the optimal sequencing of units and guidance on planning unit enrolment for each semester of study in conjunction with the required units outlined in the course 'Requirements' section of the Handbook. Please note that the map may be updated to reflect changes to course requirements. Be sure to review it for the latest information before re-enrolling. *Last updated: 12 October 2025*

E3005 Bachelor of Engineering (Honours) and Bachelor of Commerce

Specialisation – Robotics and Mechatronics Engineering

	Bachelor of Robotics and Mechatronics Engineering (Honours)		Bachelor of Commerce		
Year 1 Semester 1 February	Common First Year			ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals	
Year 1 Semester 2 July				ECC1000 Principles of microeconomics or ECX2953 Economics **	
Year 2 Semester 1 February	ECE2071 Systems programming	ECE2131 Electrical circuits	ETC1000 Business and economics statistics	BTC1110 Commercial law	If two foundation units are required, you must overload to complete ENG1012 Engineering design
Year 2 Semester 2 July	ENG2005 Advanced engineering mathematics	MMA2004 Dynamics 1 Replacing TRC2201	MKC1200 Principles of marketing	MGC1010 Introduction to management	
Year 3 Semester 1 February	MMA2001 Design 1 Replacing MEC2402	TRC3200 Dynamical systems	Commerce listed major unit 1	Commerce listed major unit 2	
Year 3 Semester 2 July	ECE2072 Digital systems	MMA2005 Modelling and control Replacing TRC3600	Commerce listed major unit 3	Commerce listed major unit 4	
Year 4 Semester 1 February	TRC3500 Sensors and artificial perception	ECE3073 Computer systems	Commerce listed major 3rd year level unit 5	Commerce listed major 3rd year level unit 6	
Year 4 Semester 2 July	MMA2003 Thermofluids 1 Replacing TRC4802	ECE4179 Neural networks and deep learning	Commerce listed major 3rd year level unit 7	Capstone *, consulting project, international experience or internship unit	
Year 5 Semester 1 February	ENG4701 Final year project A	TRC4800 Robotics	ECE4076 Computer vision	Commerce listed major unit 8 or additional commerce unit from the Faculty of Business and Economics	ENG0001 Continuous Professional Development (0 credit points)
Year 5 Semester 2 July	ENG4702 Final year project B	TRC4407 Automation design project	Complete one Professional Practice domain unit	Commerce elective unit from the Faculty of Business and Economics	

NOTE:
It is important that you follow the course map unit sequence, as units are designed to build on prior knowledge. Taking units out of sequence can disrupt your progression and cause delays due to semester offerings and enrolment rules.

- **COMMERCE:** Some units within majors may only be offered in a specific semester. You are advised to visit Monash Business School Course Advice and Planning when planning your course and choosing major units.
- Majors other than Accounting: You must take ECC1000 if you are not completing the Accounting major.
  *** Accounting or Actuarial studies major** – If you intend to complete either major, you must complete ACC1100.
  **** Accounting major** – If you intend to major in accounting, you must complete ECX2953, as it is **required** for Professional Accounting accreditation. Please refer to Professional recognition for more information regarding the units required for accreditation.
- **ENGINEERING:** You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- **ECE2072** - If you have completed this unit as a First Year breadth study unit, it will count towards your robotics and mechatronics engineering study. You must still fulfil the First Year engineering breadth study requirement by completing another breadth study unit.
- Engineering minors are not available in the Engineering double degree courses.
- Each unit requires 12 hours of work per week. A full-time study week totals 48 hours. If you are unable to commit 48 hours of study due to external commitments, please speak with a course advisor about options to study less units per semester or take some units in the summer semester.
- For enrolment advice, please refer to the Course advisers webpage.

Course progression maps for 2025 commencing students

This progression map provides advice on the optimal sequencing of units and guidance on planning unit enrolment for each semester of study in conjunction with the required units outlined in the course 'Requirements' section of the Handbook. Please note that the map may be updated to reflect changes to course requirements. Be sure to review it for the latest information before re-enrolling. *Last updated: 12 October 2025*

E3005 Bachelor of Engineering (Honours) and Bachelor of Commerce

Specialisation - Software Engineering

	Bachelor of Software Engineering (Honours)		Bachelor of Commerce		
Year 1 Semester 1 February	Common First Year			ACC1100 Introduction to financial accounting * or ACC1001 Accounting fundamentals	
Year 1 Semester 2 July				ECC1000 Principles of microeconomics or ECX2953 Economics **	
Year 2 Semester 1 February	MAT1830 Discrete mathematics for computer science	FIT2099 Object oriented design and implementation	ETC1000 Business and economics statistics	BTC1110 Commercial law	If two foundation units are required, you must overload to complete ENG1012 Engineering design
Year 2 Semester 2 July	FIT2085 Fundamentals of algorithms for engineers	FIT2101 Software engineering process and management	MKC1200 Principles of marketing	MGC1010 Introduction to management	
Year 3 Semester 1 February	FIT3159 Computer architecture	FIT2004 Algorithms and data structures	Commerce listed major unit 1	Commerce listed major unit 2	
Year 3 Semester 2 July	FIT2107 Software quality and testing	FIT2100 Operating systems	Commerce listed major unit 3	Commerce listed major unit 4	
Year 4 Semester 1 February	FIT3170 Software engineering practice (12 points)	FIT3077 Software engineering: architecture and design	Commerce listed major 3rd year level unit 5	Commerce listed major 3rd year level unit 6	
Year 4 Semester 2 July		FIT3171 Databases	Commerce listed major 3rd year level unit 7	Capstone *, consulting project, international experience or internship unit	
Year 5 Semester 1 February	FIT4002 Software engineering industry experience studio project (12 points)	FIT4701 Final year software engineering project A	FIT4165 Computer networks	Commerce listed major unit 8 or additional commerce unit from the Faculty of Business and Economics	ENG0001 Continuous Professional Development (0 credit points)
Year 5 Semester 2 July		FIT4702 Final year software engineering project B	Level 4 or 5 software engineering core elective	Commerce elective unit from the Faculty of Business and Economics	

NOTE:
It is important that you follow the course map unit sequence, as units are designed to build on prior knowledge. Taking units out of sequence can disrupt your progression and cause delays due to semester offerings and enrolment rules.

- **COMMERCE:** Some units within majors may only be offered in a specific semester. You are advised to visit Monash Business School Course Advice and Planning when planning your course and choosing major units.
- Majors other than Accounting: You must take ECC1000 if you are not completing the Accounting major.
  *** Accounting or Actuarial studies major** – If you intend to complete either major, you must complete ACC1100.
  **** Accounting major** – If you intend to major in accounting, you must complete ECX2953, as it is **required** for Professional Accounting accreditation. Please refer to Professional recognition for more information regarding the units required for accreditation.
- **ENGINEERING:** You are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate. For further information refer to the CPD webpage.
- **MAT1830 or FIT2085** - If you have completed either unit as a First Year breadth study unit, it will count towards your software engineering study. You must still fulfil the First Year engineering breadth study requirement by completing another breadth study unit.
- If you completed FIT1058 in 2025, it will be counted in place of MAT1830. Otherwise, you must complete MAT1830.
- Engineering minors are not available in the Engineering double degree courses.
- Each unit requires 12 hours of work per week. A full-time study week totals 48 hours. If you are unable to commit 48 hours of study due to external commitments, please speak with a course advisor about options to study less units per semester or take some units in the summer semester.
- For enrolment advice, please refer to the Course advisers webpage.