MONASH University

Course progression map for 2023 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course requirements' section of the Handbook. Please note that the map is subject to updates. Update version: 12 October 2025

L3002 Bachelor of Laws (Honours) and Bachelor of Engineering (Honours)

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)				
	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)	
Year 1 Semester 1	LAW1111 Foundations of law	PHS1001 Foundation physics * *Corequisite: ENG1090 **	ENG1012 Engineering design	ENG1090 Foundation mathematics *
Year 1 Semester 2	LAW1112 Public law and statutory interpretation	ENG1005 Engineering mathematics *Required: ENG1090 **	ENG1011 Engineering methods	ENG1014 Engineering numerical analysis *Corequisite: ENG1005*

You do not have VCE Units 3 & 4 Specialist Maths >30 study score: You must enrol in Foundation mathematics (ENG1090)				
	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)	
Year 1 Semester 1	LAW1111 Foundations of law	ENG1013 Engineering smart systems	ENG1012 Engineering design	ENG1090 Foundation mathematics *
Year 1 Semester 2	LAW1112 Public law and statutory interpretation	ENG1005 Engineering mathematics *Required: ENG1090 **	ENG1011 Engineering methods	ENG1014 Engineering numerical analysis *Corequisite: ENG1005*

You do not have VCE Units 3 & 4 Physics >25 study score: You must enrol in Foundation physics (PHS1001)				
	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)	
Year 1 Semester 1	LAW1111 Foundations of law	ENG1013 Engineering smart systems	ENG1012 Engineering design	PHS1001 Foundation physics *
Year 1 Semester 2	LAW1112 Public law and statutory interpretation	ENG1005 Engineering mathematics *Required: ENG1090 **	ENG1011 Engineering methods	ENG1014 Engineering numerical analysis *Corequisite: ENG1005*

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				
	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)	
Year 1 Semester 1	LAW1111 Foundations of law	ENG1005 Engineering mathematics *Required: ENG1090 **	ENG1011 Engineering methods	ENG1014 Engineering numerical analysis *Corequisite: ENG1005*
Year 1 Semester 2	LAW1112 Public law and statutory interpretation	ENG1013 Engineering smart systems	ENG1012 Engineering design	First Year engineering technical elective

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.
- * 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 speak with a course adviser in your specialisation. Refer to the Course Advisers webpage if you are in Clayton.

Source: *Monash University Handbook* – https://handbook.monash.edu/2023/courses/L3002
CRICOS Provider Number: 00008C

MONASH University

Course progression map for 2023 commencing students

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L3002 Bachelor of Laws (Honours) and Bachelor of Engineering (Honours)

Engineering specialisation – Aerospace engineering

	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)		**Overload**
Year 1 Semester 1	Common first year				
Year 1 Semester 2					
Year 2 Semester 1	LAW2101 Contract A	LAW2112 Property A	LAW1114 Criminal law 1	ENG2005 Advanced engineering mathematics	If two foundation units are required, then overload is required for ENG1013 Engineering smart systems
Year 2 Semester 2	LAW2102 Contract B	LAW2111 Constitutional law	LAW1113 Torts	MAE2404 Aerodynamics 1 From 2026 See Progression plan	
Year 3 Semester 1	LAW3112 Corporations law	LAW3111 Equity	MEC2403 Mechanics of materials From 2026 Replace with MMA2002	MEC2402 Design methods From 2026 Replace with MMA2001	
Year 3 Semester 2	LAW3402 Property B	Commercial law elective	MAE3408 Aerospace control In 2025 Replace with MEC3457 From 2026 Replace with MMA2005	MAE2505 Aerospace dynamics From 2026 Replace with MMA2004	Law elective
Year 4 Semester 1	Law elective	Law elective	MAE2402 Thermodynamics and gas dynamics From 2026 See Progression plan	MAE3404 Flight vehicle dynamics In 2025 Replace with TRC3200 From 2026 Replace with MAE3002	Law elective
Year 4 Semester 2	LAW4331 Administrative law	LAW4170 Trusts	MEC3456 Engineering computational analysis From 2026 Replace with MMA3001	MAE3405 Aerospace propulsion See Progression plan	
Year 5 Semester 1	Law elective	Law elective	MAE3401 Aerodynamics 2 See Progression plan	MAE4416 Orbital mechanics and spaceflight dynamics	
Year 5 Semester 2	LAW4332 Criminal law and procedure 2	LAW4323 Evidence	MAE4410 Flight vehicle design	MAE3411 Aerospace structural mechanics	
Year 6 Semester 1	LAW4303 Litigation and dispute resolution	LAW4309 Lawyers' ethics in practice	ENG4701 Final year project A	MEC4404 Professional practice Replace with one Professional Practice domain unit	ENG0001 Continuous professional development (0 credit points)
Year 6 Semester 2	Law research elective	Law elective	ENG4702 Final year project B	MAE4426 Finite element analysis and composite structures From 2026 Replace with MMA4001	

NOTE: **Please read the Aerospace Engineering Progression Plan alongside this course map to guide your progression.**

- 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.
- **MAE2505** - If you have completed MAE2505 as a First Year elective, you must replace the core with another unit from the aerospace engineering technical electives list or from one of the engineering minors. The replacement unit must be at the same level as the core unit or higher.
- Engineering minors are not available in the Engineering double degree courses.
- All Bachelor of Engineering (Honours) students are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate.
- 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.

Source: *Monash University Handbook* – https://handbook.monash.edu/2023/courses/L3002
CRICOS Provider Number: 00008C

MONASH University

Course progression map for 2023 commencing students

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L3002 Bachelor of Laws (Honours) and Bachelor of Engineering (Honours)

Engineering specialisation – Chemical engineering

	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)		**Overload**
Year 1 Semester 1	Common first year				
Year 1 Semester 2					
Year 2 Semester 1	LAW2101 Contract A	LAW2112 Property A	LAW1114 Criminal law 1	CHM1011 Chemistry 1 **or** CHM1051 Chemistry 1 advanced	If two foundation units are required, then overload is required for ENG1013 Engineering smart systems
Year 2 Semester 2	LAW2102 Contract B	LAW2111 Constitutional law	LAW1113 Torts	CHE2161 Mechanics of fluids	
Year 3 Semester 1	LAW3112 Corporations law	LAW3111 Equity	CHE2164 Thermodynamics 1	ENG2005 Advanced engineering mathematics	
Year 3 Semester 2	LAW3402 Property B	Commercial law elective	CHE2162 Materials and energy balances	CHE2163 Heat and mass transfer	Law elective
Year 4 Semester 1	Law elective	Law elective	CHE3161 Chemistry and chemical thermodynamics	CHE3165 Separation processes	Law elective
Year 4 Semester 2	LAW4331 Administrative law	LAW4170 Trusts	CHE3162 Process control	CHE3164 Reaction engineering	
Year 5 Semester 1	Law elective	Law elective	CHE4161 Engineers in society Replace with one Professional Practice domain unit	CHE3167 Transport phenomena and numerical methods	
Year 5 Semester 2	LAW4332 Criminal law and procedure 2	LAW4323 Evidence	CHE4170 Design project (12 points)		
Year 6 Semester 1	LAW4303 Litigation and dispute resolution	LAW4309 Lawyers' ethics in practice	ENG4701 Final year project A	CHE4162 Particle technology	ENG0001 Continuous professional development (0 credit points)
Year 6 Semester 2	Law research elective	Law elective	ENG4702 Final year project B	CHE3166 Process design	

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.
- **CHM1011 or CHM1051** - If you have completed either unit as a First Year technical elective, you must replace the core with another unit from the chemical engineering technical electives list or from one of the engineering minors. The replacement unit must be at the same level as the core unit or higher.
- CHE4164 and CHE4165 – From 2025, the integrated industrial project opportunities become part of the ENG4701 and ENG4702 Final year projects.
- CHE4170 - You should not overload in the semester when undertaking this unit.
- Engineering minors are not available in the Engineering double degree courses.
- All Bachelor of Engineering (Honours) students are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate.
- 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 speak with a course adviser in your specialisation. Refer to the Course Advisers webpage if you are in Clayton.

Source: *Monash University Handbook* – https://handbook.monash.edu/2023/courses/L3002
CRICOS Provider Number: 00008C

MONASH University

Course progression map for 2023 commencing students

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L3002 Bachelor of Laws (Honours) and Bachelor of Engineering (Honours)

Engineering specialisation – Civil engineering

	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)		**Overload**
Year 1 Semester 1	Common first year				
Year 1 Semester 2					
Year 2 Semester 1	LAW2101 Contract A	LAW2112 Property A	LAW1114 Criminal law 1	CIV2206 Structural mechanics	If two foundation units are required, then overload is required for ENG1013 Engineering smart systems
Year 2 Semester 2	LAW2102 Contract B	LAW2111 Constitutional law	LAW1113 Torts	ENG2005 Advanced engineering mathematics	
Year 3 Semester 1	LAW3112 Corporations law	LAW3111 Equity	CIV2282 Transport and traffic engineering	CIV2263 Water systems	
Year 3 Semester 2	LAW3402 Property B	Commercial law elective	CIV2242 Geomechanics 1	CIV2235 Structural materials	Law elective
Year 4 Semester 1	Law elective	Law elective	CIV4286 Project management for civil engineers Replace with one Professional Practice domain unit	CIV3294 Structural design	Law elective
Year 4 Semester 2	LAW4331 Administrative law	LAW4170 Trusts	CIV3247 Geomechanics 2	CIV3283 Road engineering	
Year 5 Semester 1	Law elective	Law elective	CIV3285 Engineering hydrology	CIV4249 Foundation engineering	
Year 5 Semester 2	LAW4332 Criminal law and procedure 2	LAW4323 Evidence	CIV3221 Building structures and technology	CIV4288 Water treatment	
Year 6 Semester 1	LAW4303 Litigation and dispute resolution	LAW4309 Lawyers' ethics in practice	ENG4701 Final year project A	CIV4280 Bridge design and assessment	ENG0001 Continuous professional development (0 credit points)
Year 6 Semester 2	Law research elective	Law elective	ENG4702 Final year project B	CIV4212 Civil and environmental engineering practice	

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.
- Engineering minors are not available in the Engineering double degree courses.
- All Bachelor of Engineering (Honours) students are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate.
- 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

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Course progression map for 2023 commencing students

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L3002 Bachelor of Laws (Honours) and Bachelor of Engineering (Honours)

Engineering specialisation – Electrical and computer systems engineering

	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)		**Overload**
Year 1 Semester 1	Common first year				
Year 1 Semester 2					
Year 2 Semester 1	LAW2101 Contract A	LAW2112 Property A	LAW1114 Criminal law 1	ENG2005 Advanced engineering mathematics	If two foundation units are required, then overload is required for ENG1013 Engineering smart systems
Year 2 Semester 2	LAW2102 Contract B	LAW2111 Constitutional law	LAW1113 Torts	ECE2191 Probability models in engineering	
Year 3 Semester 1	LAW3112 Corporations law	LAW3111 Equity	ECE2071 Computer organisation and programming Unit title change from 2025	ECE2131 Electrical circuits	
Year 3 Semester 2	LAW3402 Property B	Commercial law elective	ECE2111 Signals and systems	ECE2072 Digital systems	Law elective
Year 4 Semester 1	Law elective	Law elective	ECE3073 Computer systems	ECE3141 Information and networks	Law elective
Year 4 Semester 2	LAW4331 Administrative law	LAW4170 Trusts	ECE3121 Engineering electromagnetics In 2024: Replace with ECE3122	ECE3161 Analogue electronics	
Year 5 Semester 1	Law elective	Law elective	ECE3051 Electrical energy systems	Level 4 or 5 ECE-coded core elective	
Year 5 Semester 2	LAW4332 Criminal law and procedure 2	LAW4323 Evidence	ECE4191 Engineering integrated design	ECE4132 Control system design	
Year 6 Semester 1	LAW4303 Litigation and dispute resolution	LAW4309 Lawyers' ethics in practice	ENG4701 Final year project A	ECE4099 Professional practice Replace with one Professional Practice domain unit	ENG0001 Continuous professional development (0 credit points)
Year 6 Semester 2	Law research elective	Law elective	ENG4702 Final year project B	Level 4 or 5 ECE-coded core elective	

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.
- **ECE2072** - If you have completed the unit as a First Year elective, you must replace the core with another unit from the electrical and computer systems engineering technical electives list or from one of the engineering minors. The replacement unit must be at the same level as the core unit or higher.
- Engineering minors are not available in the Engineering double degree courses.
- All Bachelor of Engineering (Honours) students are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate.
- 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.
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L3002 Bachelor of Laws (Honours) and Bachelor of Engineering (Honours)

Engineering specialisation – Materials engineering

	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)		**Overload**
Year 1 Semester 1	Common first year				
Year 1 Semester 2					
Year 2 Semester 1	LAW2101 Contract A	LAW2112 Property A	LAW1114 Criminal law 1	MTE2101 Atomic-scale structure of materials	If two foundation units are required, then overload is required for ENG1013 Engineering smart systems
Year 2 Semester 2	LAW2102 Contract B	LAW2111 Constitutional law	LAW1113 Torts	ENG2005 Advanced engineering maths	
Year 3 Semester 1	LAW3112 Corporations law	LAW3111 Equity	MTE2102 Phase equilibria and phase transformations	MTE2103 Mechanical properties of materials	
Year 3 Semester 2	LAW3402 Property B	Commercial law elective	MTE3101 Materials in a complex world 1: People, projects and data From 2026 Replace with MTE2204	MTE2201 Polymers Unit title change from 2025	Law elective
Year 4 Semester 1	Law elective	Law elective	MTE3103 Materials life cycle	MTE3102 Plasticity of metals and alloys	Law elective
Year 4 Semester 2	LAW4331 Administrative law	LAW4170 Trusts	Level 4 or 5 MTE-coded materials engineering core elective	MTE3203 Introduction to ceramics: Properties, processing and applications	
Year 5 Semester 1	Law elective	Law elective	MTE4102 Advanced materials processing and manufacturing	MTE2202 Functional materials 1 From 2026 Replace with MTE3104	
Year 5 Semester 2	LAW4332 Criminal law and procedure 2	LAW4323 Evidence	MTE3202 Functional materials 2 Unit title change from 2026	MTE3201 Materials in a complex world 2: Characterisation, identification and selection	
Year 6 Semester 1	LAW4303 Litigation and dispute resolution	LAW4309 Lawyers' ethics in practice	ENG4701 Final year project A	MTE4101 Integrated design project	ENG0001 Continuous professional development (0 credit points)
Year 6 Semester 2	Law research elective	Law elective	ENG4702 Final year project B	MTE4201 Materials in a complex world 3: Impact in society Replace with one Professional Practice domain unit	

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.
- Engineering minors are not available in the Engineering double degree courses.
- All Bachelor of Engineering (Honours) students are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate.
- 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.

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L3002 Bachelor of Laws (Honours) and Bachelor of Engineering (Honours)

Engineering specialisation – Mechanical engineering

	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)		**Overload**
Year 1 Semester 1	Common first year				
Year 1 Semester 2					
Year 2 Semester 1	LAW2101 Contract A	LAW2112 Property A	LAW1114 Criminal law 1	MEC2403 Mechanics of materials From 2026 Replace with MMA2002	If two foundation units are required, then overload is required for ENG1013 Engineering smart systems
Year 2 Semester 2	LAW2102 Contract B	LAW2111 Constitutional law	LAW1113 Torts	MEC2401 Dynamics 1 From 2026 Replace with MMA2004 - See Progression plan	
Year 3 Semester 1	LAW3112 Corporations law	LAW3111 Equity	MEC2402 Design methods From 2026 Replace with MMA2001	ENG2005 Advanced engineering mathematics	
Year 3 Semester 2	LAW3402 Property B	Commercial law elective	MEC2404 Mechanics of fluids From 2026 See Progression plan	MEC3456 Engineering computational analysis From 2026 Replace with MMA3001 - See Progression plan	Law elective
Year 4 Semester 1	Law elective	Law elective	MEC3451 Fluid mechanics 2	MEC2405 Thermodynamics From 2026 See Progression plan	Law elective
Year 4 Semester 2	LAW4331 Administrative law	LAW4170 Trusts	MEC3457 Systems and control From 2026 Replace with MMA2005	MEC3416 Machine design Unit title change from 2026	
Year 5 Semester 1	Law elective	Law elective	MEC3455 Solid mechanics Unit title change from 2026	MEC4404 Professional practice Replace with one Professional Practice domain unit	
Year 5 Semester 2	LAW4332 Criminal law and procedure 2	LAW4323 Evidence	MEC3453 Dynamics 2 Unit title change from 2026	MEC4407 Design project Unit title change from 2026	
Year 6 Semester 1	LAW4303 Litigation and dispute resolution	LAW4309 Lawyers' ethics in practice	ENG4701 Final year project A	MEC4408 Thermodynamics and heat transfer Unit title change from 2026	ENG0001 Continuous professional development (0 credit points)
Year 6 Semester 2	Law research elective	Law elective	ENG4702 Final year project B	MEC4426 Computer-aided design From 2026 Replace with MMA4001	

NOTE: **Please read the Mechanical Engineering Progression Plan alongside this course map to guide your progression.**

- 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.
- **MEC2404** - If you have completed MEC2404 as a First Year elective, you must replace the core with another unit from the mechanical engineering technical electives list or from one of the engineering minors. The replacement unit must be at the same level as the core unit or higher.
- Engineering minors are not available in the Engineering double degree courses.
- All Bachelor of Engineering (Honours) students are required to complete at least 420 hours of Continuous Professional Development (CPD) in order to graduate.
- 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.

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