

Course progression maps for 2027 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: 1 October 2026

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 <u>and</u> VCE Units 3 & 4 Physics >25 study score: You must enrol in Foundation mathematics (ENG1090) <u>and</u> Foundation physics (PHS1001)				
	Bachelor of Engineering (Honours)		Bachelor of Laws (Honours)	
Year 1 Semester 1	PHS1001 Foundation physics * <i>Recommended: ENG1090 *</i>	ENG1013 Engineering smart systems	ENG1090 Foundation mathematics *	LAW1111 Foundations of law
Year 1 Semester 2	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1011 Engineering methods	ENG1014 Engineering numerical analysis <i>Required: ENG1090 *</i>	LAW1115 Private law and legal reasoning
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)				
	Bachelor of Engineering (Honours)		Bachelor of Laws (Honours)	
Year 1 Semester 1	ENG1011 Engineering methods	ENG1012 Engineering for people and planet	ENG1090 Foundation mathematics *	LAW1111 Foundations of law
Year 1 Semester 2	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1013 Engineering smart systems	ENG1014 Engineering numerical analysis <i>Required: ENG1090 *</i>	LAW1115 Private law and legal reasoning

You do not have VCE Units 3 & 4 Physics >25 study score: You must enrol in Foundation physics (PHS1001)				
	Bachelor of Engineering (Honours)		Bachelor of Laws (Honours)	
Year 1 Semester 1	ENG1013 Engineering smart systems	ENG1012 Engineering for people and planet	PHS1001 Foundation physics * <i>Recommended: ENG1090 *</i>	LAW1111 Foundations of law
Year 1 Semester 2	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1011 Engineering methods	ENG1014 Engineering numerical analysis <i>Required: ENG1090 *</i>	LAW1115 Private law and legal reasoning

You have completed VCE Units 3 & 4 Physics >25 study score <u>and</u> VCE Units 3 and 4 Specialist Maths >30 study score: No foundation units are required				
	Bachelor of Engineering (Honours)		Bachelor of Laws (Honours)	
Year 1 Semester 1	ENG1005 Engineering mathematics <i>Required: ENG1090 *</i>	ENG1011 Engineering methods	ENG1014 Engineering numerical analysis <i>Required: ENG1090 *</i>	LAW1111 Foundations of law
Year 1 Semester 2	ENG1013 Engineering smart systems	ENG1012 Engineering for people and planet	First Year engineering breadth study	LAW1115 Private law and legal reasoning

NOTE:

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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.
- * 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 engineering enrolment advice, please speak with a course adviser in your specialisation. Refer to the [Course Advisers webpage](#).

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

Engineering specialisation – Aerospace engineering

	Bachelor of Engineering (Honours)		Bachelor of Laws (Honours)		Overload
Year 1 Semester 1	Common first year			LAW1111 Foundations of law	
Year 1 Semester 2				LAW1115 Private law and legal reasoning	
Year 2 Semester 1	ENG2005 Advanced engineering mathematics	MMA2001 Design 1	MMA2002 Solid mechanics 1	LAW1112 Public law and statutory interpretation	If two foundation units are required, you must overload to complete ENG1012 Engineering for people and planet
Year 2 Semester 2	MMA2003 Thermofluids 1	MMA2004 Dynamics 1	MMA2005 Modelling and control	LAW1116 Criminal law and procedure	
Year 3 Semester 1	LAW1113 Torts	LAW2103 Contract	LAW2113 Property	LAW2111 Constitutional law	
Year 3 Semester 2	LAW3113 Equity and trusts	LAW3112 Corporations law	LAW4323 Evidence	LAW4303 Litigation and dispute resolution	
Year 4 Semester 1	MAE3001 Aero and gas dynamics	MAE3002 Aerospace dynamics 2	MAE3401 Aerodynamics 2	Level 3 or 4 aerospace engineering technical elective	Law elective overload
Year 4 Semester 2	MAE3405 Aerospace propulsion	MAE3411 Aerospace structural mechanics	MMA3001 Numerical methods and machine learning	Level 3 or 4 aerospace engineering technical elective	
Year 5 Semester 1	ENG4701 Final year project A	MAE4416 Orbital mechanics and spaceflight dynamics	Complete one Professional Practice domain unit	Level 3, 4 or 5 aerospace engineering technical elective	ENG0001 Continuous professional development (0 credit points)
Year 5 Semester 2	ENG4702 Final year project B	MAE4410 Flight vehicle design	MMA4001 Finite element analysis	Level 3, 4 or 5 aerospace engineering technical elective	
Year 6 Semester 1	LAW4331 Administrative law	Law elective	Law elective	Law elective	Law elective overload
Year 6 Semester 2	LAW4309 Lawyers' ethics in practice	Law elective	Law research elective	Law elective	
Year 7 Semester 1	Law elective	Law elective	Law elective	Law elective	

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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.
- 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. For further information, refer to the [CPD webpage](#).
- 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 engineering 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 – Chemical engineering

	Bachelor of Engineering (Honours)		Bachelor of Laws (Honours)		Overload
Year 1 Semester 1	Common first year			LAW1111 Foundations of law	
Year 1 Semester 2				LAW1115 Private law and legal reasoning	
Year 2 Semester 1	CHM1011 Chemistry 1 or CHM1051 Chemistry 1 advanced	CHE2164 Thermodynamics 1	ENG2005 Advanced engineering mathematics	LAW1112 Public law and statutory interpretation	If two foundation units are required, you must overload to complete ENG1012 Engineering for people and planet
Year 2 Semester 2	CHE2161 Mechanics of fluids	CHE2162 Materials and energy balances	CHE2163 Heat and mass transfer	LAW1116 Criminal law and procedure	
Year 3 Semester 1	LAW1113 Torts	LAW2103 Contract	LAW2113 Property	LAW2111 Constitutional law	
Year 3 Semester 2	LAW3113 Equity and trusts	LAW3112 Corporations law	LAW4323 Evidence	LAW4303 Litigation and dispute resolution	
Year 4 Semester 1	CHE3161 Chemistry and chemical thermodynamics	CHE3165 Separation processes	CHE3167 Transport phenomena and numerical methods	Level 3 or 4 aerospace engineering technical elective	Law elective overload
Year 4 Semester 2	CHE3162 Process control	CHE3164 Reaction engineering	CHE3166 Process design	Level 3 or 4 aerospace engineering technical elective	
Year 5 Semester 1	ENG4701 Final year project A	CHE4162 Particle technology	Complete one Professional Practice domain unit	Level 3, 4 or 5 aerospace engineering technical elective	
Year 5 Semester 2	ENG4702 Final year project B	CHE4170 Design project (12 points)		Level 3, 4 or 5 aerospace engineering technical elective	
Year 6 Semester 1	LAW4331 Administrative law	Law elective	Law elective	Law elective	Law elective overload
Year 6 Semester 2	LAW4309 Lawyers' ethics in practice	Law elective	Law research elective	Law elective	
Year 7 Semester 1	Law elective	Law elective	Law elective	Law elective	

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- [CHM1011](#), [CHM1051](#), [CHE2161](#) - If you have completed one of these 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.
- 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. For further information, refer to the [CPD webpage](#).
- 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 – Civil engineering

	Bachelor of Engineering (Honours)		Bachelor of Laws (Honours)		Overload
Year 1 Semester 1	Common first year			LAW1111 Foundations of law	
Year 1 Semester 2				LAW1115 Private law and legal reasoning	
Year 2 Semester 1	CIV2206 Structural mechanics	CIV2282 Transport and traffic engineering	CIV2263 Water systems	LAW1112 Public law and statutory interpretation	If two foundation units are required, you must overload to complete ENG1012 Engineering for people and planet
Year 2 Semester 2	ENG2005 Advanced engineering mathematics	CIV2235 Structural materials	CIV2242 Geomechanics 1	LAW1116 Criminal law and procedure	
Year 3 Semester 1	LAW1113 Torts	LAW2103 Contract	LAW2113 Property	LAW2111 Constitutional law	
Year 3 Semester 2	LAW3113 Equity and trusts	LAW3112 Corporations law	LAW4323 Evidence	LAW4303 Litigation and dispute resolution	
Year 4 Semester 1	CIV3285 Engineering hydrology	CIV3294 Structural design	Level 3, 4 or 5 aerospace engineering technical elective	Level 3 or 4 aerospace engineering technical elective	Law elective overload
Year 4 Semester 2	CIV3221 Building structures and technology	CIV3247 Geomechanics 2	CIV3283 Road engineering	Level 3 or 4 aerospace engineering technical elective	
Year 5 Semester 1	ENG4701 Final year project A	CIV4249 Foundation engineering	CIV4280 Bridge design and assessment	Complete one Professional Practice domain unit	ENG0001 Continuous professional development (0 credit points)
Year 5 Semester 2	ENG4702 Final year project B	CIV4212 Civil and environmental engineering practice	CIV4288 Water treatment	Level 3, 4 or 5 aerospace engineering technical elective	
Year 6 Semester 1	LAW4331 Administrative law	Law elective	Law elective	Law elective	Law elective overload
Year 6 Semester 2	LAW4309 Lawyers' ethics in practice	Law elective	Law research elective	Law elective	
Year 7 Semester 1	Law elective	Law elective	Law elective	Law elective	

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- 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. For further information, refer to the [CPD webpage](#).
- 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 – Electrical and computer systems engineering

	Bachelor of Engineering (Honours)		Bachelor of Laws (Honours)		Overload
Year 1 Semester 1	Common first year			LAW1111 Foundations of law	
Year 1 Semester 2				LAW1115 Private law and legal reasoning	
Year 2 Semester 1	ECE2071 Systems programming	ECE2131 Electrical circuits	ENG2005 Advanced engineering mathematics	LAW1112 Public law and statutory interpretation	If two foundation units are required, you must overload to complete ENG1012 Engineering for people and planet
Year 2 Semester 2	ECE2072 Digital systems	ECE2111 Signals and systems	ECE2191 Probability and AI for engineers	LAW1116 Criminal law and procedure	
Year 3 Semester 1	LAW1113 Torts	LAW2103 Contract	LAW2113 Property	LAW2111 Constitutional law	
Year 3 Semester 2	LAW3113 Equity and trusts	LAW3112 Corporations law	LAW4323 Evidence	LAW4303 Litigation and dispute resolution	
Year 4 Semester 1	ECE3051 Electrical energy systems	ECE3073 Computer systems	ECE3141 Information and networks	Level 3 or 4 aerospace engineering technical elective	Law elective overload
Year 4 Semester 2	ECE3121 Engineering electromagnetics	ECE3161 Analogue electronics	ECE3133 Control systems	Level 3 or 4 aerospace engineering technical elective	
Year 5 Semester 1	ENG4701 Final year project A	Complete one Professional Practice domain unit	Core List A elective	Level 3, 4 or 5 aerospace engineering technical elective	ENG0001 Continuous professional development (0 credit points)
Year 5 Semester 2	ENG4702 Final year project B	ECE4191 Engineering integrated design	Core List A or B elective	Level 3, 4 or 5 aerospace engineering technical elective	
Year 6 Semester 1	LAW4331 Administrative law	Law elective	Law elective	Law elective	Law elective overload
Year 6 Semester 2	LAW4309 Lawyers' ethics in practice	Law elective	Law research elective	Law elective	
Year 7 Semester 1	Law elective	Law elective	Law elective	Law elective	

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- [ECE2072](#) - If you have completed ECE2072 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.
- All Bachelor of Engineering (Honours) students 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](#).
- 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 – Mechanical engineering

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Year 1 Semester 1	Common first year			LAW1111 Foundations of law	
Year 1 Semester 2				LAW1115 Private law and legal reasoning	
Year 2 Semester 1	MMA2001 Design 1	MMA2002 Solid mechanics 1	ENG2005 Advanced engineering mathematics	LAW1112 Public law and statutory interpretation	If two foundation units are required, you must overload to complete ENG1012 Engineering for people and planet
Year 2 Semester 2	MMA2003 Thermofluids 1	MMA2004 Dynamics 1	MMA2005 Modelling and control	LAW1116 Criminal law and procedure	
Year 3 Semester 1	LAW1113 Torts	LAW2103 Contract	LAW2113 Property	LAW2111 Constitutional law	
Year 3 Semester 2	LAW3113 Equity and trusts	LAW3112 Corporations law	LAW4323 Evidence	LAW4303 Litigation and dispute resolution	
Year 4 Semester 1	MEC3001 Material properties and selection	MEC3455 Solid mechanics 2	MEC3451 Fluid mechanics 2	Level 3 or 4 aerospace engineering technical elective	Law elective overload
Year 4 Semester 2	MEC3416 Mechanical design 2	MEC3453 Mechanical dynamics 2	MMA3001 Numerical methods and machine learning	Level 3 or 4 aerospace engineering technical elective	
Year 5 Semester 1	ENG4701 Final year project A	Complete one Professional Practice domain unit	MEC4408 Thermodynamics 2 and heat transfer	Level 3, 4 or 5 aerospace engineering technical elective	ENG0001 Continuous professional development (0 credit points)
Year 5 Semester 2	ENG4702 Final year project B	MEC4407 Mechanical design 3	MMA4001 Finite element analysis	Level 3, 4 or 5 aerospace engineering technical elective	
Year 6 Semester 1	LAW4331 Administrative law	Law elective	Law elective	Law elective	Law elective overload
Year 6 Semester 2	LAW4309 Lawyers' ethics in practice	Law elective	Law research elective	Law elective	
Year 7 Semester 1	Law elective	Law elective	Law elective	Law elective	

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