



## 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: 22 July 2022

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

#### Common first year

If no foundation units are required:				
	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)	
<b>Year 1 Semester 1</b>	LAW1111 Foundations of law	<a href="#">ENG1005</a> Engineering mathematics <i>Required: ENG1090 *</i>	<a href="#">ENG1011</a> Engineering methods	<a href="#">ENG1014</a> Engineering numerical analysis <i>Corequisite: ENG1005</i>
<b>Year 1 Semester 2</b>	LAW1112 Public law and statutory interpretation	<a href="#">ENG1013</a> Engineering smart systems	<a href="#">ENG1012</a> Engineering design	<a href="#">First Year engineering technical elective</a>

If you need to enrol in foundation physics and maths, follow the below first year progression and then overload in your second year to take ENG1013 as shown in the later year course maps.				
	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)	
<b>Year 1 Semester 1</b>	LAW1111 Foundations of law	<a href="#">PHS1001</a> Foundation physics * <i>Corequisite: ENG1090 *</i>	<a href="#">ENG1012</a> Engineering design	<a href="#">ENG1090</a> Foundation mathematics *
<b>Year 1 Semester 2</b>	LAW1112 Public law and statutory interpretation	<a href="#">ENG1005</a> Engineering mathematics <i>Required: ENG1090 *</i>	<a href="#">ENG1011</a> Engineering methods	<a href="#">ENG1014</a> Engineering numerical analysis <i>Corequisite: ENG1005</i>

If you need to enrol in foundation maths:				
	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)	
<b>Year 1 Semester 1</b>	LAW1111 Foundations of law	<a href="#">ENG1013</a> Engineering smart systems	<a href="#">ENG1012</a> Engineering design	<a href="#">ENG1090</a> Foundation mathematics *
<b>Year 1 Semester 2</b>	LAW1112 Public law and statutory interpretation	<a href="#">ENG1005</a> Engineering mathematics <i>Required: ENG1090 *</i>	<a href="#">ENG1011</a> Engineering methods	<a href="#">ENG1014</a> Engineering numerical analysis <i>Corequisite: ENG1005</i>

If you need to enrol in foundation physics				
	Bachelor of Laws (Honours)		Bachelor of Engineering (Honours)	
<b>Year 1 Semester 1</b>	LAW1111 Foundations of law	<a href="#">ENG1013</a> Engineering smart systems	<a href="#">ENG1012</a> Engineering design	<a href="#">PHS1001</a> Foundation physics *
<b>Year 1 Semester 2</b>	LAW1112 Public law and statutory interpretation	<a href="#">ENG1005</a> Engineering mathematics <i>Required: ENG1090 *</i>	<a href="#">ENG1011</a> Engineering methods	<a href="#">ENG1014</a> Engineering numerical analysis <i>Corequisite: ENG1005</i>

**NOTE:**

- \* 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](#).
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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		
<b>Year 1</b> Semester 1	Common first year				
<b>Year 1</b> Semester 2					
<b>Year 2</b> Semester 1	LAW2101 Contract A	LAW2112 Property A	LAW1114 Criminal law 1	<a href="#">ENG2005</a> Advanced engineering mathematics	If two foundation units are required, then overload is required for <a href="#">ENG1013</a> Engineering smart systems
<b>Year 2</b> Semester 2	LAW2102 Contract B	LAW2111 Constitutional law	LAW1113 Torts	<a href="#">MAE2402</a> Thermodynamics and gas dynamics	
<b>Year 3</b> Semester 1	LAW3112 Corporations law	LAW3111 Equity	<a href="#">MAE2401</a> Aerospace structures and materials	<a href="#">MAE2412</a> Aerospace design	
<b>Year 3</b> Semester 2	LAW3402 Property B	Commercial law elective	<a href="#">MAE2404</a> Aerodynamics 1	<a href="#">MAE2505</a> Aerospace dynamics	Law elective
<b>Year 4</b> Semester 1	Law elective	Law elective	<a href="#">MAE3401</a> Aerodynamics 2	<a href="#">MAE3404</a> Flight vehicle dynamics	Law elective
<b>Year 4</b> Semester 2	LAW4331 Administrative law	LAW4170 Trusts	<a href="#">MAE3408</a> Aerospace control	<a href="#">MAE3405</a> Aerospace propulsion	
<b>Year 5</b> Semester 1	Law elective	Law elective	<a href="#">MAE3456</a> Aerospace computational mechanics	<a href="#">MAE4416</a> Orbital mechanics and spaceflight dynamics	
<b>Year 5</b> Semester 2	LAW4332 Criminal law and procedure 2	LAW4323 Evidence	<a href="#">MAE4410</a> Flight vehicle design	<a href="#">MAE3411</a> Aerospace structural mechanics	
<b>Year 6</b> Semester 1	LAW4303 Litigation and dispute resolution	LAW4309 Lawyers' ethics in practice	<a href="#">ENG4701</a> Final year project A	<a href="#">MAE4404</a> Aerospace practices and airworthiness	<a href="#">ENG0001</a> Continuous professional development (0 credit points)
<b>Year 6</b> Semester 2	Law research elective	Law elective	<a href="#">ENG4702</a> Final year project B	<a href="#">MAE4426</a> Finite element analysis and composite structures	

**NOTE:**

- [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.
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- 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](#).
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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
<b>Year 1</b> Semester 1	Common first year				
<b>Year 1</b> Semester 2					
<b>Year 2</b> Semester 1	LAW2101 Contract A	LAW2112 Property A	LAW1114 Criminal law 1	<a href="#">CHM1011</a> Chemistry 1 or <a href="#">CHM1051</a> Chemistry 1 advanced	If two foundation units are required, then overload is required for <a href="#">ENG1013</a> Engineering smart systems
<b>Year 2</b> Semester 2	LAW2102 Contract B	LAW2111 Constitutional law	LAW1113 Torts	<a href="#">CHE2161</a> Mechanics of fluids	
<b>Year 3</b> Semester 1	LAW3112 Corporations law	LAW3111 Equity	<a href="#">CHE2164</a> Thermodynamics 1	<a href="#">ENG2005</a> Advanced engineering mathematics	
<b>Year 3</b> Semester 2	LAW3402 Property B	Commercial law elective	<a href="#">CHE2162</a> Materials and energy balances	<a href="#">CHE2163</a> Heat and mass transfer	Law elective
<b>Year 4</b> Semester 1	Law elective	Law elective	<a href="#">CHE3161</a> Chemistry and chemical thermodynamics	<a href="#">CHE3165</a> Separation processes	Law elective
<b>Year 4</b> Semester 2	LAW4331 Administrative law	LAW4170 Trusts	<a href="#">CHE3162</a> Process control	<a href="#">CHE3164</a> Reaction engineering	
<b>Year 5</b> Semester 1	Law elective	Law elective	<a href="#">CHE4161</a> Engineers in society	<a href="#">CHE3167</a> Transport phenomena and numerical methods	
<b>Year 5</b> Semester 2	LAW4332 Criminal law and procedure 2	LAW4323 Evidence	<a href="#">CHE4170</a> Design project (12 points)		
<b>Year 6</b> Semester 1	LAW4303 Litigation and dispute resolution	LAW4309 Lawyers' ethics in practice	<a href="#">ENG4701</a> Final year project A	<a href="#">CHE4162</a> Particle technology	<a href="#">ENG0001</a> Continuous professional development (0 credit points)
<b>Year 6</b> Semester 2	Law research elective	Law elective	<a href="#">ENG4702</a> Final year project B	<a href="#">CHE3166</a> Process design	

NOTE:

- [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.
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- [CHE4164](#) and [CHE4165](#) are integrated industrial project units in place of the final year project units [ENG4701](#) and [ENG4702](#) and for select students only. Depending on placement location, you may have to overload a semester or extend an additional semester in order to complete your course.
- [CHE4170](#) - You should not overload in the semester when undertaking this unit.
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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		
<b>Year 1</b> Semester 1	Common first year				
<b>Year 1</b> Semester 2					
<b>Year 2</b> Semester 1	LAW2101 Contract A	LAW2112 Property A	LAW1114 Criminal law 1	<a href="#">CIV2206</a> Structural mechanics	If two foundation units are required, then overload is required for <a href="#">ENG1013</a> Engineering smart systems
<b>Year 2</b> Semester 2	LAW2102 Contract B	LAW2111 Constitutional law	LAW1113 Torts	<a href="#">ENG2005</a> Advanced engineering mathematics	
<b>Year 3</b> Semester 1	LAW3112 Corporations law	LAW3111 Equity	<a href="#">CIV2282</a> Transport and traffic engineering	<a href="#">CIV2263</a> Water systems	
<b>Year 3</b> Semester 2	LAW3402 Property B	Commercial law elective	<a href="#">CIV2242</a> Geomechanics 1	<a href="#">CIV2235</a> Structural materials	Law elective
<b>Year 4</b> Semester 1	Law elective	Law elective	<a href="#">CIV4286</a> Project management for civil engineers	<a href="#">CIV3294</a> Structural design	Law elective
<b>Year 4</b> Semester 2	LAW4331 Administrative law	LAW4170 Trusts	<a href="#">CIV3247</a> Geomechanics 2	<a href="#">CIV3283</a> Road engineering	
<b>Year 5</b> Semester 1	Law elective	Law elective	<a href="#">CIV3285</a> Engineering hydrology	<a href="#">CIV4249</a> Foundation engineering	
<b>Year 5</b> Semester 2	LAW4332 Criminal law and procedure 2	LAW4323 Evidence	<a href="#">CIV3221</a> Building structures and technology	<a href="#">CIV4288</a> Water treatment	
<b>Year 6</b> Semester 1	LAW4303 Litigation and dispute resolution	LAW4309 Lawyers' ethics in practice	<a href="#">ENG4701</a> Final year project A	<a href="#">CIV4280</a> Bridge design and assessment	<a href="#">ENG0001</a> Continuous professional development (0 credit points)
<b>Year 6</b> Semester 2	Law research elective	Law elective	<a href="#">ENG4702</a> Final year project B	<a href="#">CIV4212</a> Civil and environmental engineering practice	

**NOTE:**

- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
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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		
<b>Year 1</b> Semester 1	Common first year				
<b>Year 1</b> Semester 2					
<b>Year 2</b> Semester 1	LAW2101 Contract A	LAW2112 Property A	LAW1114 Criminal law 1	<a href="#">ENG2005</a> Advanced engineering mathematics	If two foundation units are required, then overload is required for <a href="#">ENG1013</a> Engineering smart systems
<b>Year 2</b> Semester 2	LAW2102 Contract B	LAW2111 Constitutional law	LAW1113 Torts	<a href="#">ECE2191</a> Probability models in engineering	
<b>Year 3</b> Semester 1	LAW3112 Corporations law	LAW3111 Equity	<a href="#">ECE2071</a> Computer organisation and programming	<a href="#">ECE2131</a> Electrical circuits	
<b>Year 3</b> Semester 2	LAW3402 Property B	Commercial law elective	<a href="#">ECE2111</a> Signals and systems	<a href="#">ECE2072</a> Digital systems	Law elective
<b>Year 4</b> Semester 1	Law elective	Law elective	<a href="#">ECE3073</a> Computer systems	<a href="#">ECE3141</a> Information and networks	Law elective
<b>Year 4</b> Semester 2	LAW4331 Administrative law	LAW4170 Trusts	<a href="#">ECE3121</a> Engineering electromagnetics	<a href="#">ECE4132</a> Control system design	
<b>Year 5</b> Semester 1	Law elective	Law elective	<a href="#">ECE3051</a> Electrical energy systems	<a href="#">ECE3161</a> Analogue electronics	
<b>Year 5</b> Semester 2	LAW4332 Criminal law and procedure 2	LAW4323 Evidence	<a href="#">ECE4191</a> Engineering integrated design	<a href="#">Level 4 or 5 ECE-coded core elective</a>	
<b>Year 6</b> Semester 1	LAW4303 Litigation and dispute resolution	LAW4309 Lawyers' ethics in practice	<a href="#">ENG4701</a> Final year project A	<a href="#">Level 4 or 5 ECE-coded core elective</a>	<a href="#">ENG0001</a> Continuous professional development (0 credit points)
<b>Year 6</b> Semester 2	Law research elective	Law elective	<a href="#">ENG4702</a> Final year project B	<a href="#">ECE4099</a> Professional practice	

**NOTE:**

- [ECE2071](#) or [ECE2072](#) - If you have completed either unit as a First Year elective, you must replace the core with another unit from the electrical and computer systems engineering technical electives list.
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- Engineering minors are not available in the Engineering double degree courses.
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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		
<b>Year 1</b> Semester 1	Common first year				
<b>Year 1</b> Semester 2					
<b>Year 2</b> Semester 1	LAW2101 Contract A	LAW2112 Property A	LAW1114 Criminal law 1	<a href="#">MTE2101</a> Atomic-scale structure of materials	If two foundation units are required, then overload is required for <a href="#">ENG1013</a> Engineering smart systems
<b>Year 2</b> Semester 2	LAW2102 Contract B	LAW2111 Constitutional law	LAW1113 Torts	<a href="#">ENG2005</a> Advanced engineering maths	
<b>Year 3</b> Semester 1	LAW3112 Corporations law	LAW3111 Equity	<a href="#">MTE2102</a> Phase equilibria and phase transformations	<a href="#">MTE2103</a> Mechanical properties of materials	
<b>Year 3</b> Semester 2	LAW3402 Property B	Commercial law elective	<a href="#">MTE2202</a> Functional materials 1	<a href="#">MTE2201</a> Polymers	Law elective
<b>Year 4</b> Semester 1	Law elective	Law elective	<a href="#">MTE3103</a> Materials life cycle	<a href="#">MTE3102</a> Plasticity of metals and alloys	Law elective
<b>Year 4</b> Semester 2	LAW4331 Administrative law	LAW4170 Trusts	<a href="#">MTE3202</a> Functional materials 2	<a href="#">MTE3203</a> Introduction to ceramics: Properties, processing and applications	
<b>Year 5</b> Semester 1	Law elective	Law elective	<a href="#">MTE4102</a> Advanced materials processing and manufacturing	<a href="#">MTE3101</a> Materials in a complex world 1: People, projects and data	
<b>Year 5</b> Semester 2	LAW4332 Criminal law and procedure 2	LAW4323 Evidence	<a href="#">Level 4 or 5 materials engineering technical elective</a>	<a href="#">MTE3201</a> Materials in a complex world 2: Characterisation, identification and selection	
<b>Year 6</b> Semester 1	LAW4303 Litigation and dispute resolution	LAW4309 Lawyers' ethics in practice	<a href="#">ENG4701</a> Final year project A	<a href="#">MTE4101</a> Integrated design project	<a href="#">ENG0001</a> Continuous professional development (0 credit points)
<b>Year 6</b> Semester 2	Law research elective	Law elective	<a href="#">ENG4702</a> Final year project B	<a href="#">MTE4201</a> Materials in a complex world 3: Impact in society	

**NOTE:**

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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		
<b>Year 1</b> Semester 1	Common first year				
<b>Year 1</b> Semester 2					
<b>Year 2</b> Semester 1	LAW2101 Contract A	LAW2112 Property A	LAW1114 Criminal law 1	<a href="#">MEC2403</a> Mechanics of materials	If two foundation units are required, then overload is required for <a href="#">ENG1013</a> Engineering smart systems
<b>Year 2</b> Semester 2	LAW2102 Contract B	LAW2111 Constitutional law	LAW1113 Torts	<a href="#">ENG2005</a> Advanced engineering mathematics	
<b>Year 3</b> Semester 1	LAW3112 Corporations law	LAW3111 Equity	<a href="#">MEC2402</a> Design methods	<a href="#">MEC2401</a> Dynamics 1	
<b>Year 3</b> Semester 2	LAW3402 Property B	Commercial law elective	<a href="#">MEC2404</a> Mechanics of fluids	<a href="#">MEC2405</a> Thermodynamics	Law elective
<b>Year 4</b> Semester 1	Law elective	Law elective	<a href="#">MEC3451</a> Fluid mechanics 2	<a href="#">MEC3456</a> Engineering computational mechanics	Law elective
<b>Year 4</b> Semester 2	LAW4331 Administrative law	LAW4170 Trusts	<a href="#">MEC3457</a> Systems and control	<a href="#">MEC3416</a> Machine design	
<b>Year 5</b> Semester 1	Law elective	Law elective	<a href="#">MEC3455</a> Solid mechanics	<a href="#">MEC4404</a> Professional practice	
<b>Year 5</b> Semester 2	LAW4332 Criminal law and procedure 2	LAW4323 Evidence	<a href="#">MEC3453</a> Dynamics 2	<a href="#">MEC4407</a> Design project	
<b>Year 6</b> Semester 1	LAW4303 Litigation and dispute resolution	LAW4309 Lawyers' ethics in practice	<a href="#">ENG4701</a> Final year project A	<a href="#">MEC4408</a> Thermodynamics and heat transfer	<a href="#">ENG0001</a> Continuous professional development (0 credit points)
<b>Year 6</b> Semester 2	Law research elective	Law elective	<a href="#">ENG4702</a> Final year project B	<a href="#">MEC4426</a> Computer-aided design	

#### NOTE:

- **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.
- The placement of units may be rearranged to support sequencing for double degree courses but care should be taken to ensure sequenced units are maintained in sequence.
- Engineering minors are not available in the Engineering double degree courses.
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