

Course progression map for 2021 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 should be used in conjunction with the requirements of the course as specified in the [Handbook](#). This map is subject to updates. Update version: 18 December 2023

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) | |
|--------------------------|--|---|---|---|
| Year 1 Semester 1 | LAW1111 Foundations of law | ENG1005 Engineering mathematics | ENG1001 Engineering design: Lighter, faster, stronger | ENG1060 Computing for engineers |
| Year 1 Semester 2 | LAW1112 Public law and statutory interpretation | ENG1003 Engineering mobile apps | ENG1002 Engineering design: Cleaner, safer, smarter | First Year engineering technical elective |

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 ENG1003 as shown in the later year course maps.

| | Bachelor of Laws (Honours) | | Bachelor of Engineering (Honours) | |
|--------------------------|--|---|---|---|
| Year 1 Semester 1 | LAW1111 Foundations of law | PHS1001 Foundation physics* | ENG1002 Engineering design: Cleaner, safer, smarter | ENG1090 Foundation mathematics* |
| Year 1 Semester 2 | LAW1112 Public law and statutory interpretation | ENG1005 Engineering mathematics | ENG1001 Engineering design: Lighter, faster, stronger | ENG1060 Computing for engineers |

If you need to enrol in foundation maths:

| | Bachelor of Laws (Honours) | | Bachelor of Engineering (Honours) | |
|--------------------------|--|---|---|---|
| Year 1 Semester 1 | LAW1111 Foundations of law | ENG1003 Engineering mobile apps | ENG1002 Engineering design: Cleaner, safer, smarter | ENG1090 Foundation mathematics* |
| Year 1 Semester 2 | LAW1112 Public law and statutory interpretation | ENG1005 Engineering mathematics | ENG1001 Engineering design: Lighter, faster, stronger | ENG1060 Computing for engineers |

If you need to enrol in foundation physics

| | Bachelor of Laws (Honours) | | Bachelor of Engineering (Honours) | |
|--------------------------|--|---|---|---|
| Year 1 Semester 1 | LAW1111 Foundations of law | ENG1003 Engineering mobile apps | ENG1002 Engineering design: Cleaner, safer, smarter | PHS1001 Foundation physics* |
| Year 1 Semester 2 | LAW1112 Public law and statutory interpretation | ENG1005 Engineering mathematics | ENG1001 Engineering design: Lighter, faster, stronger | ENG1060 Computing for engineers |

* 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)

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 ENG1003 Engineering mobile apps |
| Year 2 Semester 2 | LAW2102 Contract B | LAW2111 Constitutional law | LAW1113 Torts | MAE2402 Thermodynamics and gas dynamics | |
| Year 3 Semester 1 | LAW3112 Corporations law | LAW3111 Equity | MAE2401 Aerospace structures and materials <small>Replace with MEC2403 from 2023</small> | MAE2412 Aerospace design <small>Replace with MEC2402 from 2023</small> | Law elective |
| Year 3 Semester 2 | LAW3402 Property B | Commercial law elective | MAE2404 Aerodynamics 1 | MAE2505 Aerospace dynamics | |
| Year 4 Semester 1 | Law elective | Law elective | MAE3401 Aerodynamics 2 | MAE3404 Flight vehicle dynamics | Law elective |
| Year 4 Semester 2 | LAW4331 Administrative law | LAW4170 Trusts | MAE3408 Aerospace control | MAE3405 Aerospace propulsion | |
| Year 5 Semester 1 | Law elective | Law elective | MAE3456 Aerospace computational mechanics <small>Replace with MEC3456 from 2023</small> | 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 | MAE4404 Aerospace practices and airworthiness <small>Replace with MEC4404 from 2023</small> | 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 | |

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.
- 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)

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 ENG1003 Engineering mobile apps |
| 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 | 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:

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- [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)

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 ENG1003 Engineering mobile apps |
| 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 | Law elective |
| Year 3 Semester 2 | LAW3402 Property B | Commercial law elective | CIV2242 Geomechanics 1 | CIV2235 Structural materials | |
| Year 4 Semester 1 | Law elective | Law elective | CIV3248 Groundwater and environmental geomechanics | 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 | CIV4286 Project management for civil engineers | |
| 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 | |

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

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 ENG1003 Engineering mobile apps |
| 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 | ECE2131 Electrical circuits | Law elective |
| Year 3 Semester 2 | LAW3402 Property B | Commercial law elective | ECE2111 Signals and systems | ECE2072 Digital systems | |
| 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 Replace ECE3121 with ECE3122 in 2024 | ECE4132 Control system design | |
| Year 5 Semester 1 | Law elective | Law elective | ECE3051 Electrical energy systems | ECE3161 Analogue electronics | |
| Year 5 Semester 2 | LAW4332 Criminal law and procedure 2 | LAW4323 Evidence | ECE4191 Engineering integrated design | Level 4 or 5 ECE-coded core elective | |
| Year 6 Semester 1 | LAW4303 Litigation and dispute resolution | LAW4309 Lawyers' ethics in practice | ENG4701 Final year project A | Level 4 or 5 ECE-coded core elective | ENG0001 Continuous professional development (0 credit points) |
| Year 6 Semester 2 | Law research elective | Law elective | ENG4702 Final year project B | ECE4099 Professional practice | |

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

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 ENG1003 Engineering mobile apps |
| 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 | MTE2202 Functional materials 1 | MTE2201 Polymers | 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 | MTE3202 Functional materials 2 | MTE3203 Introduction to ceramics: Properties, processing and applications | |
| Year 5 Semester 1 | Law elective | Law elective | MTE4102 Advanced materials processing and manufacturing | MTE3101 Materials in a complex world 1: People, projects and data | |
| Year 5 Semester 2 | LAW4332 Criminal law and procedure 2 | LAW4323 Evidence | Level 4 or 5 MTE-coded materials engineering core elective | 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 | |

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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 | If two foundation units are required, then overload is required for ENG1003 Engineering mobile apps |
| 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 | MEC2402 Design methods | MEC2401 Dynamics 1 | Law elective |
| Year 3 Semester 2 | LAW3402 Property B | Commercial law elective | MEC2404 Mechanics of fluids | MEC2405 Thermodynamics | |
| Year 4 Semester 1 | Law elective | Law elective | MEC3451 Fluid mechanics 2 | MEC3456 Engineering computational mechanics | Law elective |
| Year 4 Semester 2 | LAW4331 Administrative law | LAW4170 Trusts | MEC3457 Systems and control | MEC3416 Machine design | |
| Year 5 Semester 1 | Law elective | Law elective | MEC3455 Solid mechanics | MEC4404 Professional practice | |
| Year 5 Semester 2 | LAW4332 Criminal law and procedure 2 | LAW4323 Evidence | MEC3453 Dynamics 2 | MEC4407 Design project | |
| Year 6 Semester 1 | LAW4303 Litigation and dispute resolution | LAW4309 Lawyers' ethics in practice | ENG4701 Final year project A | MEC4408 Thermodynamics and heat transfer | 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 | |

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