



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*

E3002 Bachelor of Engineering (Honours) and Bachelor of Arts 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 * <i>Corequisite: ENG1090 *</i>	Arts major
	Sem 2 July	ENG1011 Engineering methods ENG1005 Engineering mathematics <i>Required: ENG1090 *</i> ENG1014 Engineering numerical analysis <i>Corequisite: ENG1005</i>	Arts major

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 ENG1013 Engineering smart systems ENG1090 Foundation mathematics *	Arts major
	Sem 2 July	ENG1011 Engineering methods ENG1005 Engineering mathematics <i>Required: ENG1090 *</i> ENG1014 Engineering numerical analysis <i>Corequisite: ENG1005</i>	Arts major

You do not have VCE Units 3 & 4 Physics >25 study score: You must enrol in Foundation physics (PHS1001)

1	Sem 1 Feb	ENG1012 Engineering design ENG1013 Engineering smart systems PHS1001 Foundation physics * <i>Required: ENG1090 *</i>	Arts major
	Sem 2 July	ENG1011 Engineering methods ENG1005 Engineering mathematics <i>Required: ENG1090 *</i> ENG1014 Engineering numerical analysis <i>Corequisite: ENG1005</i>	Arts major

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 <i>Required: ENG1090 *</i> ENG1014 Engineering numerical analysis <i>Corequisite: ENG1005</i>	Arts major
	Sem 2 July	ENG1012 Engineering design ENG1013 Engineering smart systems First Year engineering breadth study	Arts major

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.
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E3002 Bachelor of Engineering (Honours) and Bachelor of Arts Specialisation - Aerospace engineering

	Bachelor of Aerospace Engineering (Honours)		Bachelor of Arts		
Year 1 Semester 1 February	Common First Year			Arts major unit 1*	
Year 1 Semester 2 July				Arts major unit 2*	
Year 2 Semester 1 February	MMA2001 Design 1 <small>Replacing MEC2402</small>	ENG2005 Advanced engineering mathematics	Arts elective 1	Arts major unit 3*	If two foundation units are required, you must overload to complete ENG1012 Engineering design
Year 2 Semester 2 July	MMA2004 Dynamics 1 <small>Replacing MAE2505</small>	MMA2003 Thermofluids 1 <small>Replacing combined MAE2402, MAE2404</small>	Arts elective 2	Arts major unit 4*	
Year 3 Semester 1 February	MMA2002 Solid mechanics 1 <small>Replacing MEC2403</small>	MAE3001 Aero and gas dynamics <small>Replacing combined MAE2402, MAE2404</small>	Arts elective 3	Arts major unit 5*	
Year 3 Semester 2 July	MMA2005 Modelling and control <small>Replacing MAE3408</small>	MAE3405 Aerospace propulsion	Arts elective 4	Arts major unit 6*	
Year 4 Semester 1 February	MAE3401 Aerodynamics 2	MAE3002 Aerospace dynamics 2 <small>Replacing MAE3404</small>	Arts Professional Futures unit 1	Arts major unit 7*	
Year 4 Semester 2 July	MMA3001 Numerical methods and machine learning <small>Replacing MEC3456</small>	MAE3411 Aerospace structural mechanics	Arts Professional Futures unit 2 MON2100 Global immersion guarantee program (12 cp) or ATS3173 Workplace innovation project (6 cp)	Arts Professional Futures unit 3	
Year 5 Semester 1 February	ENG4701 Final year project A	MAE4416 Orbital mechanics and spaceflight dynamics	Complete one Professional Practice domain unit	Arts major unit 8*	ENG0001 Continuous Professional Development (0 credit points)
Year 5 Semester 2 July	ENG4702 Final year project B	MMA4001 Finite element analysis <small>Replacing MAE4426</small>	MAE4410 Flight vehicle design	Arts Professional Futures unit 4	

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.
- *ARTS MAJORS AVAILABLE IN THE ENGINEERING/ARTS DOUBLE DEGREE:** Chinese studies, European languages (Extended major available), Indonesian studies, International relations, Japanese studies, Korean studies, Philosophy. *Please note that only these specified arts majors will meet Engineers Australia accreditation.*
- 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.
- 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](#).
- 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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Course progression maps for 2025 commencing students

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E3002 Bachelor of Engineering (Honours) and Bachelor of Arts Specialisation - Chemical engineering

	Bachelor of Chemical Engineering (Honours)		Bachelor of Arts		
Year 1 Semester 1 February	Common First Year			Arts major unit 1*	
Year 1 Semester 2 July				Arts major unit 2*	
Year 2 Semester 1 February	CHM1011 Chemistry 1 or CHM1051 Chemistry 1 advanced	ENG2005 Advanced engineering mathematics	Arts elective 1	Arts major unit 3*	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	Arts elective 2	Arts major unit 4*	
Year 3 Semester 1 February	CHE2164 Thermodynamics 1	CHE3167 Transport phenomena and numerical methods	Arts elective 3	Arts major unit 5*	
Year 3 Semester 2 July	CHE2163 Heat and mass transfer	CHE3162 Process control	Arts elective 4	Arts major unit 6*	
Year 4 Semester 1 February	CHE3161 Chemistry and chemical thermodynamics	CHE3165 Separation processes	Arts Professional Futures unit 1	Arts major unit 7*	
Year 4 Semester 2 July	CHE3166 Process design	CHE3164 Reaction engineering	Arts Professional Futures unit 2 MON2100 Global immersion guarantee program (12 cp) or ATS3173 Workplace innovation project (6 cp)	Arts Professional Futures unit 3	
Year 5 Semester 1 February	ENG4701 Final year project A	CHE4162 Particle technology	Complete one Professional Practice domain unit	Arts major unit 8*	ENG0001 Continuous Professional Development (0 credit points)
Year 5 Semester 2 July	ENG4702 Final year project B	CHE4170 Design project (12 points)		Art Professional Futures unit 4	

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- *ARTS MAJORS AVAILABLE IN THE ENGINEERING/ARTS DOUBLE DEGREE:** Chinese studies, European languages (Extended major available), Indonesian studies, International relations, Japanese studies, Korean studies, Philosophy. *Please note that only these specified arts majors will meet Engineers Australia accreditation.*
- CHM1011, CHM1051, CHE2161** - If you have completed this unit 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.
- 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](#).
- 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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E3002 Bachelor of Engineering (Honours) and Bachelor of Arts Specialisation - Civil engineering

	Bachelor of Civil Engineering (Honours)		Bachelor of Arts		
Year 1 Semester 1 February	Common First Year			Arts major unit 1*	
Year 1 Semester 2 July				Arts major unit 2*	
Year 2 Semester 1 February	CIV2282 Transport and traffic engineering	CIV2206 Structural mechanics	Arts elective 1	Arts major unit 3*	If two foundation units are required, you must overload to complete ENG1012 Engineering design
Year 2 Semester 2 July	ENG2005 Advanced engineering mathematics	CIV2235 Structural materials	Arts elective 2	Arts major unit 4*	
Year 3 Semester 1 February	CIV2263 Water systems	CIV3294 Structural design	Arts elective 3	Arts major unit 5*	
Year 3 Semester 2 July	CIV2242 Geomechanics 1	CIV3283 Road engineering	Arts elective 4	Arts major unit 6*	
Year 4 Semester 1 February	Complete one Professional Practice domain unit	CIV3285 Engineering hydrology	Arts Professional Futures unit 1	Arts major unit 7*	
Year 4 Semester 2 July	CIV3247 Geomechanics 2	CIV3221 Building structures and technology	Arts Professional Futures unit 2 MON2100 Global immersion guarantee program (12 cp) or ATS3173 Workplace innovation project (6 cp)	Arts Professional Futures unit 3	
Year 5 Semester 1 February	ENG4701 Final year project A	CIV4249 Foundation engineering	CIV4280 Bridge design and assessment	Arts major unit 8*	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	Arts Professional Futures unit 4	

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- *ARTS MAJORS AVAILABLE IN THE ENGINEERING/ARTS DOUBLE DEGREE:** Chinese studies, European languages (Extended major available), Indonesian studies, International relations, Japanese studies, Korean studies, Philosophy. *Please note that only these specified arts majors will meet Engineers Australia accreditation.*
- Engineering minors are not available in the Engineering double degree courses.
- 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](#).
- 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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E3002 Bachelor of Engineering (Honours) and Bachelor of Arts Specialisation - Electrical and computer systems engineering

	Bachelor of Electrical and Computer Systems Engineering (Honours)		Bachelor of Arts		
Year 1 Semester 1 February	Common First Year			Arts major unit 1*	
Year 1 Semester 2 July				Arts major unit 2*	
Year 2 Semester 1 February	ENG2005 Advanced engineering mathematics	ECE2131 Electrical circuits	ECE2071 Systems programming	Arts major unit 3*	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	Arts elective 1	Arts major unit 4*	
Year 3 Semester 1 February	ECE3051 Electrical energy systems	ECE3073 Computer systems	Arts elective 2	Arts major unit 5*	
Year 3 Semester 2 July	ECE2191 Probability and AI for engineers	ECE4132 Control system design	Arts elective 3	Arts major unit 6*	
Year 4 Semester 1 February	ECE3141 Information and networks	Core List A elective	Arts elective 4	Arts major unit 7*	
Year 4 Semester 2 July	ECE3121 Engineering electromagnetics	ECE3161 Analogue electronics	Arts Professional Futures unit 1	Arts major unit 8*	
Year 5 Semester 1 February	ENG4701 Final year project A	Complete one Professional Practice domain unit	Arts Professional Futures unit 2 MON2100 Global immersion guarantee program (12 cp) or ATS3173 Workplace innovation project (6 cp)	Arts Professional Futures unit 3	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	Arts Professional Futures unit 4	

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- *ARTS MAJORS AVAILABLE IN THE ENGINEERING/ARTS DOUBLE DEGREE:** Chinese studies, European languages (Extended major available), Indonesian studies, International relations, Japanese studies, Korean studies, Philosophy. *Please note that only these specified arts majors will meet Engineers Australia accreditation.*
- 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.
- 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](#).
- 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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E3002 Bachelor of Engineering (Honours) and Bachelor of Arts Specialisation - Environmental engineering

	Bachelor of Environmental Engineering (Honours)		Bachelor of Arts		
Year 1 Semester 1 February	Common First Year			Arts major unit 1*	
Year 1 Semester 2 July				Arts major unit 2*	
Year 2 Semester 1 February	BTX3100 Sustainability regulation for business	ENE2021 Energy and the environment	Arts elective 1	Arts major unit 3*	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	Arts elective 2	Arts major unit 4*	
Year 3 Semester 1 February	CHE2164 Thermodynamics 1	CIV2263 Water systems	Arts elective 3	Arts major unit 5*	
Year 3 Semester 2 July	ENE3031 Building sustainability	ENE2503 Materials properties and recycling	Arts elective 4	Arts major unit 6*	
Year 4 Semester 1 February	ENE4043 Quantifying sustainability in urban systems	CIV3285 Engineering hydrology	Arts Professional Futures unit 1	Arts major unit 7*	
Year 4 Semester 2 July	ENE3032 Fate and transport of contaminants	ENE3606 The air environment	Arts Professional Futures unit 2 MON2100 Global immersion guarantee program (12 cp) or ATS3173 Workplace innovation project (6 cp)	Arts Professional Futures unit 3	
Year 5 Semester 1 February	ENG4701 Final year project A	ENE4042 Environment impact and risk assessment	Complete one Professional Practice domain unit	Arts major unit 8*	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	Arts Professional Futures unit 4	

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- *ARTS MAJORS AVAILABLE IN THE ENGINEERING/ARTS DOUBLE DEGREE:** Chinese studies, European languages (Extended major available), Indonesian studies, International relations, Japanese studies, Korean studies, Philosophy. *Please note that only these specified arts majors will meet Engineers Australia accreditation.*
- Engineering minors are not available in the Engineering double degree courses.
- 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](#).
- 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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E3002 Bachelor of Engineering (Honours) and Bachelor of Arts Specialisation - Materials engineering

	Bachelor of Materials Engineering (Honours)		Bachelor of Arts		
Year 1 Semester 1 February	Common First Year			Arts major unit 1*	
Year 1 Semester 2 July				Arts major unit 2*	
Year 2 Semester 1 February	MTE2101 Atomic-scale structure of materials	MTE2103 Mechanical properties of materials	Arts elective 1	Arts major unit 3*	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	Arts elective 2	Arts major unit 4*	
Year 3 Semester 1 February	MTE2102 Phase equilibria and phase transformations	MTE3103 Materials life cycle	Arts elective 3	Arts major unit 5*	
Year 3 Semester 2 July	MTE2204 Materials in a complex world 1: People, projects and data	MTE3203 Introduction to ceramics: Properties, processing and applications	Arts elective 4	Arts major unit 6*	
Year 4 Semester 1 February	MTE3102 Plasticity of metals and alloys	MTE3104 Electronic and photonic materials	Arts Professional Futures unit 1	Arts major unit 7*	
Year 4 Semester 2 July	MTE3202 Magnetic and spintronic materials	MTE3201 Materials in a complex world 2: Characterisation, identification and selection	Arts Professional Futures unit 2 MON2100 Global immersion guarantee program (12 cp) or ATS3173 Workplace innovation project (6 cp)	Arts Professional Futures unit 3	
Year 5 Semester 1 February	ENG4701 Final year project A	MTE4101 Integrated design project	MTE4102 Advanced materials processing and manufacturing	Arts major unit 8*	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	Arts Professional Futures unit 4	

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- Engineering minors are not available in the Engineering double degree courses.
- 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](#).
- 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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E3002 Bachelor of Engineering (Honours) and Bachelor of Arts Specialisation - Mechanical engineering

	Bachelor of Mechanical Engineering (Honours)		Bachelor of Arts		
Year 1 Semester 1 February	Common First Year			Arts major unit 1*	
Year 1 Semester 2 July				Arts major unit 2*	
Year 2 Semester 1 February	MMA2002 Solid mechanics 1 <small>Replacing MEC2403</small>	ENG2005 Advanced engineering mathematics	Arts elective 1	Arts major unit 3*	If two foundation units are required, you must overload to complete ENG1012 Engineering design
Year 2 Semester 2 July	MMA2004 Dynamics 1 <small>Replacing MEC2401</small>	MMA3001 Numerical methods and machine learning <small>Replacing MEC3456</small>	Arts elective 2	Arts major unit 4*	
Year 3 Semester 1 February	MMA2001 Design 1 <small>Replacing MEC2402</small>	MEC3001 Material properties and selection	Arts elective 3	Arts major unit 5*	
Year 3 Semester 2 July	MMA2003 Thermofluids 1 <small>Replacing combined MEC2404, MEC2405</small>	MMA2005 Modelling and control <small>Replacing MEC3457</small>	Arts elective 4	Arts major unit 6*	
Year 4 Semester 1 February	MEC3455 Solid mechanics 2	MEC3451 Fluid mechanics 2	Arts Professional Futures unit 1	Arts major unit 7*	
Year 4 Semester 2 July	MEC3453 Mechanical dynamics 2	MEC3416 Mechanical design 2	Arts Professional Futures unit 2 MON2100 Global immersion guarantee program (12 cp) or ATS3173 Workplace innovation project (6 cp)	Arts Professional Futures unit 3	
Year 5 Semester 1 February	ENG4701 Final year project A	Complete one Professional Practice domain unit	MEC4408 Thermodynamics 2 and heat transfer	Arts major unit 8*	
Year 5 Semester 2 July	ENG4702 Final year project B	MMA4001 Finite element analysis <small>Replacing MEC4426</small>	MEC4407 Mechanical design 3	Arts Professional Futures unit 4	

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- *ARTS MAJORS AVAILABLE IN THE ENGINEERING/ARTS DOUBLE DEGREE:** Chinese studies, European languages (Extended major available), Indonesian studies, International relations, Japanese studies, Korean studies, Philosophy. *Please note that only these specified arts majors will meet Engineers Australia accreditation.*
- 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.
- 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](#).
- 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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E3002 Bachelor of Engineering (Honours) and Bachelor of Arts Specialisation – Robotics and Mechatronics engineering

	Bachelor of Robotics and Mechatronics Engineering (Honours)		Bachelor of Arts			
Year 1 Semester 1 February	Common First Year			Arts major unit 1*		
Year 1 Semester 2 July				Arts major unit 2*		
Year 2 Semester 1 February	ECE2071 Systems programming	ECE2131 Electrical circuits	Arts elective 1	Arts major unit 3*	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 <small>Replacing TRC2201</small>	Arts elective 2	Arts major unit 4*		
Year 3 Semester 1 February	MMA2001 Design 1 <small>Replacing MEC2402</small>	TRC3200 Dynamical systems	Arts elective 3	Arts major unit 5*		
Year 3 Semester 2 July	ECE2072 Digital systems	MMA2003 Thermofluids 1 <small>Replacing TRC4802</small>	Arts elective 4	Arts major unit 6*		
Year 4 Semester 1 February	TRC3500 Sensors and artificial perception	ECE3073 Computer systems	Arts Professional Futures unit 1	Arts major unit 7*		
Year 4 Semester 2 July	MMA2005 Modelling and control <small>Replacing TRC3600</small>	ECE4179 Neural networks and deep learning	Arts Professional Futures unit 2 MON2100 Global immersion guarantee program (12 cp) or ATS3173 Workplace innovation project (6 cp)	Arts Professional Futures unit 3		
Year 5 Semester 1 February	ENG4701 Final year project A	TRC4800 Robotics	ECE4076 Computer vision	Arts major unit 8*		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	Arts Professional Futures unit 4		

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- 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.
- 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](#).
- 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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E3002 Bachelor of Engineering (Honours) and Bachelor of Arts Specialisation - Software engineering

	Bachelor of Software Engineering (Honours)		Bachelor of Arts		
Year 1 Semester 1 February	Common First Year			Arts major unit 1*	
Year 1 Semester 2 July				Arts major unit 2*	
Year 2 Semester 1 February	MAT1830 Discrete mathematics for computer science	FIT2099 Object oriented design and implementation	Arts elective 1	Arts major unit 3*	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	Arts elective 2	Arts major unit 4*	
Year 3 Semester 1 February	FIT2004 Algorithms and data structures	FIT3159 Computer architecture	Arts elective 3	Arts major unit 5*	
Year 3 Semester 2 July	FIT2107 Software quality and testing	FIT2100 Operating systems	Arts elective 4	Arts major unit 6*	
Year 4 Semester 1 February	FIT3170 Software engineering practice (12 points)	FIT3077 Software engineering: architecture and design	Arts Professional Futures unit 1	Arts major unit 7*	
Year 4 Semester 2 July		FIT3171 Databases	Arts Professional Futures unit 2 MON2100 Global immersion guarantee program (12 cp) or ATS3173 Workplace innovation project (6 cp)	Arts Professional Futures unit 3	
Year 5 Semester 1 February	FIT4002 Software engineering industry experience studio project (12 points)	FIT4701 Final year software engineering project A	FIT4165 Computer networks	Arts major unit 8*	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	Arts Professional Futures unit 4	Arts Professional Futures

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.
- *ARTS MAJORS AVAILABLE IN THE ENGINEERING/ARTS DOUBLE DEGREE:** Chinese studies, European languages (Extended major available), Indonesian studies, International relations, Japanese studies, Korean studies, Philosophy. *Please note that only these specified arts majors will meet Engineers Australia accreditation.*
- If you completed FIT1058 in 2025, it will be counted in place of MAT1830. Otherwise, you must complete MAT1830.
- FIT2085** - If you have completed this 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.
- Engineering minors are not available in the Engineering double degree courses.
- 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](#).
- 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](#).