

Bachelor of Engineering (Honours) (Mechanical) with Bachelor of Finance Study Plans — Semester 2 Start

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Bachelor of Engineering (Honours) (Mechanical) with Bachelor of Finance – Study Plan Notes

Program structure

This is a five-year program with electives commencing in the second year. The final year contains the two-semester Research Project capstone course. Students may follow study plans specifying electives to complete a Major within the program. Successful completion of the Program with a Major requires completion of all courses specified in the that Major's study plan. All Majors consist of the same number of units and fill available electives slots, with one remaining to be chosen by the student.

Internships

All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies. The 8 weeks of internship must be supervised by a qualified engineer and may be completed in one placement or a series of placements. The Faculty recommends students undertake internships upon commencement of third year engineering courses. Internships are self-sourced and resources are available through [Careers Service](#). Register with CareerHub to access a database where opportunities are posted.

Finance

Students can choose Finance electives in accordance with the academic program rules for the Bachelor of Finance: <https://calendar.adelaide.edu.au/faculty/professions>

General Electives

How to choose an elective course in your area of interest?

Please refer to the steps via the link: <https://ecms.adelaide.edu.au/study-with-us/student-support/enrolment>

Program Rules

For academic program rules please refer to the following website: <https://calendar.adelaide.edu.au/faculty/ecms>

Information and Enrolment Advice

Ask ECMS

Email: askecms@adelaide.edu.au

Website: <https://ecms.adelaide.edu.au/study-with-us/student-support>

Bachelor of Engineering (Honours) (Mechanical) with Bachelor of Finance

Year 1				
S 2	MATHS 1011 Mathematics IA <input type="checkbox"/>	[^] ENG 1001 Introduction to Engineering <input type="checkbox"/>	CHEM ENG 1009 Materials I <input type="checkbox"/>	TECH 1006 Engineering Mechanics Technology <input type="checkbox"/>
Year 2				
S S	*MECH ENG 1007 Engineering Mechanics – Dynamics <input type="checkbox"/>			
S 1	MATHS 1012 Mathematics IB <input type="checkbox"/>	ENG 1002 Programming (Matlab and C) <input type="checkbox"/>	MECH ENG 2100 Design Practice <input type="checkbox"/>	ELEC ENG 1101 Electronic Systems <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	MECH ENG 2002 Stress Analysis & Design <input type="checkbox"/>	MECH ENG 2019 Dynamics & Control I <input type="checkbox"/>	ECON 1009 International Financial Institutions & Markets <input type="checkbox"/>
Year 3				
S 1	MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/>	MECH ENG 2021 Thermo-Fluids I <input type="checkbox"/>	Major course / Elective Year 2 (see elective table) <input type="checkbox"/>	ACCTING 1002 Introductory Accounting I <input type="checkbox"/>
S 2	MECH ENG 2101 Mechatronics IM <input type="checkbox"/>	MECH ENG 3111 Acoustics and Vibrations <input type="checkbox"/>		CORPFIN 1002 Business Finance I <input type="checkbox"/>
Internship				
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see note on page 2.				
Year 4				
S 1	MECH ENG 3102 Heat Transfer & Thermodynamics <input type="checkbox"/>	Major course / Elective Year 3 (see elective table) <input type="checkbox"/>	CORPFIN 2501 Financial Institutions Management II <input type="checkbox"/>	ECON 1012 Principles of Economics I <input type="checkbox"/>
S 2	ENG 3004 Systems Engineering & Industry Practice <input type="checkbox"/>	Major course / Elective Year 4 (see elective table) <input type="checkbox"/>	Major course / Elective Year 4 (see elective table) <input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools & Techniques III or CORPFIN 3502 Options, Futures & Risk Management III <input type="checkbox"/>
Year 5				
S 1	ENG 3005 Research Method & Project Management <input type="checkbox"/>	Major course / Elective Year 4 (see elective table) <input type="checkbox"/>	CORPFIN 2502 Business Valuation II <input type="checkbox"/>	MATHS 2103 Probability & Statistics II or ECON 2515 Intermediate Applied Econometrics II <input type="checkbox"/>
S 2	ENG 4001A Research Project Part A <input type="checkbox"/>	Major course / Elective Year 4 (see elective table) <input type="checkbox"/>	Level III Finance Elective <input type="checkbox"/>	CORPFIN 3501 Portfolio Theory & Management III <input type="checkbox"/>
Year 6				
S 1	ENG 4001B Research Project Part B <input type="checkbox"/>	Major course / Elective Year 4 (see elective table) <input type="checkbox"/>	Level III Finance Elective <input type="checkbox"/>	ECON 2508 Financial Economics II <input type="checkbox"/>

Core Course Major Course / Elective (see table) Double Degree Courses

[^] Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering.

* If unable to take MECH ENG 1007 Engineering Mechanics – Dynamics in summer please contact askecms@adelaide.edu.au to discuss an alternative study plan.



Bachelor of Engineering (Honours) (Mechanical) - Aerospace Engineering Major with Bachelor of Finance

Year 1								
S	MATHS 1011	<input type="checkbox"/>	^ENG 1001	<input type="checkbox"/>	CHEM ENG 1009	<input type="checkbox"/>	TECH 1006	<input type="checkbox"/>
2	Mathematics IA		Introduction to Engineering		Materials I		Engineering Mechanics Technology	
Year 2								
S	*MECH ENG 1007	<input type="checkbox"/>						
S	Engineering Mechanics – Dynamics							
S	MATHS 1012	<input type="checkbox"/>	ENG 1002	<input type="checkbox"/>	MECH ENG 2100	<input type="checkbox"/>	ELEC ENG 1101	<input type="checkbox"/>
1	Mathematics IB		Programming (Matlab and C)		Design Practice		Electronic Systems	
S	MATHS 2107	<input type="checkbox"/>	MECH ENG 2002	<input type="checkbox"/>	MECH ENG 2019	<input type="checkbox"/>	ECON 1009 International Financial	<input type="checkbox"/>
2	Statistics & Numerical Methods II		Stress Analysis & Design		Dynamics & Control I		Institutions & Markets	
Year 3								
S	MATHS 2106	<input type="checkbox"/>	MECH ENG 2021	<input type="checkbox"/>	MECH ENG 2020	<input type="checkbox"/>	ACCTING 1002	<input type="checkbox"/>
1	Differential Equations for Engineers II		Thermo-Fluids I		Materials & Manufacturing		Introductory Accounting I	
S	MECH ENG	<input type="checkbox"/>	MECH ENG 3111	<input type="checkbox"/>			CORPFIN 1002	<input type="checkbox"/>
2	2101 Mechatronics IM		Acoustics and Vibrations				Business Finance I	
Internship								
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see note on page 2.								
Year 4								
S	MECH ENG 3102	<input type="checkbox"/>	MECH ENG 3100	<input type="checkbox"/>	CORPFIN 2501	<input type="checkbox"/>	ECON 1012	<input type="checkbox"/>
1	Heat Transfer & Thermodynamics		Aeronautical Engineering		Financial Institutions Management II		Principles of Economics I	
S	ENG 3004	<input type="checkbox"/>	MECH ENG 3101	<input type="checkbox"/>	MECH ENG 3104	<input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools &	<input type="checkbox"/>
2	Systems Engineering & Industry Practice		Applied Aerodynamics		Space Vehicle Design		Techniques III or	
					CORPFIN 3502 Options, Futures & Risk Management III			
Year 5								
S	ENG 3005	<input type="checkbox"/>	MECH ENG 4106	<input type="checkbox"/>	CORPFIN 2502	<input type="checkbox"/>	MATHS 2103 Probability & Statistics II or	<input type="checkbox"/>
1	Research Method & Project Management		Aerospace Propulsion		Business Valuation II		ECON 2515 Intermediate Applied Econometrics II	
S	ENG 4001A	<input type="checkbox"/>	MECH ENG 4108	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	CORPFIN 3501	<input type="checkbox"/>
2	Research Project Part A		Aircraft Design				Portfolio Theory & Management III	
Year 6								
S	ENG 4001B	<input type="checkbox"/>	Elective Year 4	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	ECON 2508	<input type="checkbox"/>
1	Research Project Part B		(see elective table)				Financial Economics II	

Core Course	Major course	Elective (see table)	Double Degree Courses
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^ Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering.
* If unable to take MECH ENG 1007 Engineering Mechanics – Dynamics in summer please contact askecms@adelaide.edu.au to discuss an alternative study plan.

Bachelor of Engineering (Honours) (Mechanical) - Defence Systems Major with Bachelor of Finance

Year 1				
S 2	MATHS 1011 Mathematics IA <input type="checkbox"/>	[^] ENG 1001 Introduction to Engineering <input type="checkbox"/>	CHEM ENG 1009 Materials I <input type="checkbox"/>	TECH 1006 Engineering Mechanics Technology <input type="checkbox"/>
Year 2				
S S	*MECH ENG 1007 Engineering Mechanics – Dynamics <input type="checkbox"/>			
S 1	MATHS 1012 Mathematics IB <input type="checkbox"/>	ENG 1002 Programming (Matlab and C) <input type="checkbox"/>	MECH ENG 2100 Design Practice <input type="checkbox"/>	ELEC ENG 1101 Electronic Systems <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	MECH ENG 2002 Stress Analysis & Design <input type="checkbox"/>	MECH ENG 2019 Dynamics & Control I <input type="checkbox"/>	ECON 1009 International Financial Institutions & Markets <input type="checkbox"/>
Year 3				
S 1	MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/>	MECH ENG 2021 Thermo-Fluids I <input type="checkbox"/>	MECH ENG 2020 Materials & Manufacturing <input type="checkbox"/>	ACCTING 1002 Introductory Accounting I <input type="checkbox"/>
S 2	MECH ENG 2101 Mechatronics IM <input type="checkbox"/>	MECH ENG 3111 Acoustics and Vibrations <input type="checkbox"/>		CORPFIN 1002 Business Finance I <input type="checkbox"/>
Internship				
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see note on page 2.				
Year 4				
S 1	MECH ENG 3102 Heat Transfer & Thermodynamics <input type="checkbox"/>	MECH ENG 3026 Advanced Mechanics of Materials <input type="checkbox"/>	CORPFIN 2501 Financial Institutions Management II <input type="checkbox"/>	ECON 1012 Principles of Economics I <input type="checkbox"/>
S 2	ENG 3004 Systems Engineering & Industry Practice <input type="checkbox"/>	ENG 3305 Human Factors for Decision Making <input type="checkbox"/>	ENG 4010 Defence Leadership <input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools & Techniques III or CORPFIN 3502 Options, Futures & Risk Management III <input type="checkbox"/>
Year 5				
S 1	ENG 3005 Research Method & Project Management <input type="checkbox"/>	POLIS 1104 Introduction to Comparative Politics <input type="checkbox"/>	CORPFIN 2502 Business Valuation II <input type="checkbox"/>	MATHS 2103 Probability & Statistics II or ECON 2515 Intermediate Applied Econometrics II <input type="checkbox"/>
S 2	ENG 4001A Research Project Part A <input type="checkbox"/>	ENG 4020 Complex Systems Engineering <input type="checkbox"/>	Level III Finance Elective <input type="checkbox"/>	CORPFIN 3501 Portfolio Theory & Management III <input type="checkbox"/>
Year 6				
S 1	ENG 4001B Research Project Part B <input type="checkbox"/>	Elective Year 4 (see elective table) <input type="checkbox"/>	Level III Finance Elective <input type="checkbox"/>	ECON 2508 Financial Economics II <input type="checkbox"/>

Core Course	Major course	Elective (see table)	Double Degree Courses
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Bachelor of Engineering (Honours) (Mechanical) - Mechanical Engineering Major with Bachelor of Finance

Year 1								
S	MATHS 1011 Mathematics IA	<input type="checkbox"/>	^ENG 1001 Introduction to Engineering	<input type="checkbox"/>	CHEM ENG 1009 Materials I	<input type="checkbox"/>	TECH 1006 Engineering Mechanics Technology	<input type="checkbox"/>
Year 2								
S	*MECH ENG 1007 Engineering Mechanics – Dynamics	<input type="checkbox"/>						
S	MATHS 1012 Mathematics IB	<input type="checkbox"/>	ENG 1002 Programming (Matlab and C)	<input type="checkbox"/>	MECH ENG 2100 Design Practice	<input type="checkbox"/>	ELEC ENG 1101 Electronic Systems	<input type="checkbox"/>
S	MATHS 2107 Statistics & Numerical Methods II	<input type="checkbox"/>	MECH ENG 2002 Stress Analysis & Design	<input type="checkbox"/>	MECH ENG 2019 Dynamics & Control I	<input type="checkbox"/>	ECON 1009 International Financial Institutions & Markets	<input type="checkbox"/>
Year 3								
S	MATHS 2106 Differential Equations for Engineers II	<input type="checkbox"/>	MECH ENG 2021 Thermo-Fluids I	<input type="checkbox"/>	MECH ENG 2020 Materials & Manufacturing	<input type="checkbox"/>	ACCTING 1002 Introductory Accounting I	<input type="checkbox"/>
S	MECH ENG 2101 Mechatronics IM	<input type="checkbox"/>	MECH ENG 3111 Acoustics and Vibrations	<input type="checkbox"/>			CORPFIN 1002 Business Finance I	<input type="checkbox"/>
Internship								
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see note on page 2.								
Year 4								
S	MECH ENG 3102 Heat Transfer & Thermodynamics	<input type="checkbox"/>	MECH ENG 3026 Advanced Mechanics of Materials	<input type="checkbox"/>	CORPFIN 2501 Financial Institutions Management II	<input type="checkbox"/>	ECON 1012 Principles of Economics I	<input type="checkbox"/>
S	ENG 3004 Systems Engineering & Industry Practice	<input type="checkbox"/>	MECH ENG 3101 Applied Aerodynamics	<input type="checkbox"/>	CORPFIN 2502 Business Valuation II	<input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools & Techniques III or CORPFIN 3502 Options, Futures & Risk Management III	<input type="checkbox"/>
Year 5								
S	ENG 3005 Research Method & Project Management	<input type="checkbox"/>	MECH ENG 4111 CFD for Engineering Applications	<input type="checkbox"/>	MECH ENG 4118 Finite Element Analysis of Structures	<input type="checkbox"/>	MATHS 2103 Probability & Statistics II or ECON 2515 Intermediate Applied Econometrics II	<input type="checkbox"/>
S	ENG 4001A Research Project Part A	<input type="checkbox"/>	Elective Year 4 (see elective table)	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	CORPFIN 3501 Portfolio Theory & Management III	<input type="checkbox"/>
Year 6								
S	ENG 4001B Research Project Part B	<input type="checkbox"/>	MECH ENG 4121 Materials Selection & Failure Analysis	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	ECON 2508 Financial Economics II	<input type="checkbox"/>

Core Course	Major course	Elective (see table)	Double Degree Courses
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Bachelor of Engineering (Honours) (Mechanical) - Mechatronics and Robotics Major with Bachelor of Finance

Year 1								
S	MATHS 1011	<input type="checkbox"/>	^ENG 1001	<input type="checkbox"/>	CHEM ENG 1009	<input type="checkbox"/>	TECH 1006	<input type="checkbox"/>
2	Mathematics IA		Introduction to Engineering		Materials I		Engineering Mechanics Technology	
Year 2								
S	*MECH ENG 1007	<input type="checkbox"/>						
S	Engineering Mechanics – Dynamics							
S	MATHS 1012	<input type="checkbox"/>	ENG 1002	<input type="checkbox"/>	MECH ENG 2100	<input type="checkbox"/>	ELEC ENG 1101	<input type="checkbox"/>
1	Mathematics IB		Programming (Matlab and C)		Design Practice		Electronic Systems	
S	MATHS 2107	<input type="checkbox"/>	MECH ENG 2002	<input type="checkbox"/>	MECH ENG 2019	<input type="checkbox"/>	ECON 1009 International Financial	<input type="checkbox"/>
2	Statistics & Numerical Methods II		Stress Analysis & Design		Dynamics & Control I		Institutions & Markets	
Year 3								
S	MATHS 2106	<input type="checkbox"/>	MECH ENG 2021	<input type="checkbox"/>	ELEC ENG 2105	<input type="checkbox"/>	ACCTING 1002	<input type="checkbox"/>
1	Differential Equations for Engineers II		Thermo-Fluids I		Electronic Circuits M		Introductory Accounting I	
S	MECH ENG	<input type="checkbox"/>	MECH ENG 3111	<input type="checkbox"/>			CORPFIN 1002	<input type="checkbox"/>
2	2101 Mechatronics IM		Acoustics and Vibrations				Business Finance I	
Internship								
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see note on page 2.								
Year 4								
S	MECH ENG 3102	<input type="checkbox"/>	MECH ENG 3106	<input type="checkbox"/>	CORPFIN 2501	<input type="checkbox"/>	ECON 1012	<input type="checkbox"/>
1	Heat Transfer & Thermodynamics		Mechatronics II		Financial Institutions Management II		Principles of Economics I	
S	ENG 3004	<input type="checkbox"/>	MECH ENG 3032	<input type="checkbox"/>	MECH ENG 4102	<input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools &	<input type="checkbox"/>
2	Systems Engineering & Industry Practice		Micro-Controller Programming		Advanced PID Control		Techniques III or	
							CORPFIN 3502 Options, Futures & Risk Management III	<input type="checkbox"/>
Year 5								
S	ENG 3005	<input type="checkbox"/>	MECH ENG 4124	<input type="checkbox"/>	CORPFIN 2502	<input type="checkbox"/>	MATHS 2103 Probability & Statistics II or	<input type="checkbox"/>
1	Research Method & Project Management		Robotics M		Business Valuation II		ECON 2515 Intermediate Applied Econometrics II	
S	ENG 4001A	<input type="checkbox"/>	MECH ENG 4123	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	CORPFIN 3501	<input type="checkbox"/>
2	Research Project Part A		Advanced Digital Control				Portfolio Theory & Management III	
Year 6								
S	ENG 4001B	<input type="checkbox"/>	Elective Year 4	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	ECON 2508	<input type="checkbox"/>
1	Research Project Part B		(see elective table)				Financial Economics II	

Core Course	Major course	Elective (see table)	Double Degree Courses
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Bachelor of Engineering (Honours) (Mechanical) - Medical Technologies Major with Bachelor of Finance

Year 1								
S	MATHS 1011	<input type="checkbox"/>	^ENG 1001	<input type="checkbox"/>	CHEM ENG 1009	<input type="checkbox"/>	TECH 1006	<input type="checkbox"/>
2	Mathematics IA		Introduction to Engineering		Materials I		Engineering Mechanics Technology	
Year 2								
S	*MECH ENG 1007	<input type="checkbox"/>						
S	Engineering Mechanics – Dynamics							
S	MATHS 1012	<input type="checkbox"/>	ENG 1002	<input type="checkbox"/>	MECH ENG 2100	<input type="checkbox"/>	ELEC ENG 1101	<input type="checkbox"/>
1	Mathematics IB		Programming (Matlab and C)		Design Practice		Electronic Systems	
S	MATHS 2107	<input type="checkbox"/>	MECH ENG 2002	<input type="checkbox"/>	MECH ENG 2019	<input type="checkbox"/>	ECON 1009 International Financial	<input type="checkbox"/>
2	Statistics & Numerical Methods II		Stress Analysis & Design		Dynamics & Control I		Institutions & Markets	
Year 3								
S	MATHS 2106	<input type="checkbox"/>	MECH ENG 2021	<input type="checkbox"/>	ANAT SC 1102	<input type="checkbox"/>	ACCTING 1002	<input type="checkbox"/>
1	Differential Equations for Engineers II		Thermo-Fluids I		Human Anatomy and Physiology IA		Introductory Accounting I	
S	MECH ENG	<input type="checkbox"/>	MECH ENG 3111	<input type="checkbox"/>			CORPFIN 1002	<input type="checkbox"/>
2	2101 Mechatronics IM		Acoustics and Vibrations				Business Finance I	
Internship								
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see note on page 2.								
Year 4								
S	MECH ENG 3102	<input type="checkbox"/>	ENG 3101	<input type="checkbox"/>	CORPFIN 2501	<input type="checkbox"/>	ECON 1012	<input type="checkbox"/>
1	Heat Transfer & Thermodynamics		Introduction to Medical Technologies		Financial Institutions Management II		Principles of Economics I	
S	ENG 3004	<input type="checkbox"/>	ANAT SC 2009	<input type="checkbox"/>	MECH ENG 4101	<input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools &	<input type="checkbox"/>
2	Systems Engineering & Industry Practice		Musculoskeletal Anatomy		Biomechanical Engineering		Techniques III or	
							CORPFIN 3502 Options, Futures & Risk Management III	<input type="checkbox"/>
Year 5								
S	ENG 3005	<input type="checkbox"/>	PHYSIOL 2510	<input type="checkbox"/>	CORPFIN 2502	<input type="checkbox"/>	MATHS 2103 Probability & Statistics II or	<input type="checkbox"/>
1	Research Method & Project Management		Physiology IIA		Business Valuation II		ECON 2515 Intermediate Applied Econometrics II	
S	ENG 4001A	<input type="checkbox"/>	ELEC ENG 4115	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	CORPFIN 3501	<input type="checkbox"/>
2	Research Project Part A		Biomedical Instrumentation				Portfolio Theory & Management III	
Year 6								
S	ENG 4001B	<input type="checkbox"/>	Elective Year 4	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	ECON 2508	<input type="checkbox"/>
1	Research Project Part B		(see elective table)				Financial Economics II	

Core Course	Major course	Elective (see table)	Double Degree Courses
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Bachelor of Engineering (Honours) (Mechanical) - Renewable Energy Major with Bachelor of Finance

Year 1								
S	MATHS 1011	<input type="checkbox"/>	^ENG 1001	<input type="checkbox"/>	CHEM ENG 1009	<input type="checkbox"/>	TECH 1006	<input type="checkbox"/>
2	Mathematics IA		Introduction to Engineering		Materials I		Engineering Mechanics Technology	
Year 2								
S	*MECH ENG 1007	<input type="checkbox"/>						
S	Engineering Mechanics – Dynamics							
S	MATHS 1012	<input type="checkbox"/>	ENG 1002	<input type="checkbox"/>	MECH ENG 2100	<input type="checkbox"/>	ELEC ENG 1101	<input type="checkbox"/>
1	Mathematics IB		Programming (Matlab and C)		Design Practice		Electronic Systems	
S	MATHS 2107	<input type="checkbox"/>	MECH ENG 2002	<input type="checkbox"/>	MECH ENG 2019	<input type="checkbox"/>	ECON 1009 International Financial	<input type="checkbox"/>
2	Statistics & Numerical Methods II		Stress Analysis & Design		Dynamics & Control I		Institutions & Markets	
Year 3								
S	MATHS 2106	<input type="checkbox"/>	MECH ENG 2021	<input type="checkbox"/>	MECH ENG 2020	<input type="checkbox"/>	ACCTING 1002	<input type="checkbox"/>
1	Differential Equations for Engineers II		Thermo-Fluids I		Materials & Manufacturing		Introductory Accounting I	
S	MECH ENG	<input type="checkbox"/>	MECH ENG 3111	<input type="checkbox"/>			CORPFIN 1002	<input type="checkbox"/>
2	2101 Mechatronics IM		Acoustics and Vibrations				Business Finance I	
Internship								
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see note on page 2.								
Year 4								
S	MECH ENG 3102	<input type="checkbox"/>	ENTREP 3006	<input type="checkbox"/>	CORPFIN 2501	<input type="checkbox"/>	ECON 1012	<input type="checkbox"/>
1	Heat Transfer & Thermodynamics		Energy Management, Economics & Policy		Financial Institutions Management II		Principles of Economics I	
S	ENG 3004	<input type="checkbox"/>	CHEM ENG 4048	<input type="checkbox"/>	ELEC ENG 4111	<input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools &	<input type="checkbox"/>
2	Systems Engineering & Industry Practice		Biofuels, Biomass and Wastes		Distributed Generation Technologies		Techniques III or	
							CORPFIN 3502 Options, Futures & Risk Management III	
Year 5								
S	ENG 3005	<input type="checkbox"/>	MECH ENG 4064	<input type="checkbox"/>	CORPFIN 2502	<input type="checkbox"/>	MATHS 2103 Probability & Statistics II or	<input type="checkbox"/>
1	Research Method & Project Management		Renewable Power Technologies		Business Valuation II		ECON 2515 Intermediate Applied Econometrics II	
S	ENG 4001A	<input type="checkbox"/>	Elective Year 4	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	CORPFIN 3501	<input type="checkbox"/>
2	Research Project Part A		(see elective table)				Portfolio Theory & Management III	
Year 6								
S	ENG 4001B	<input type="checkbox"/>	MECH ENG 4112 Combustion	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	ECON 2508	<input type="checkbox"/>
1	Research Project Part B		Technology & Emission Control				Financial Economics II	

Core Course	Major course	Elective (see table)	Double Degree Courses
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* If unable to take MECH ENG 1007 Engineering Mechanics – Dynamics in summer please contact askecms@adelaide.edu.au to discuss an alternative study plan.



Bachelor of Engineering (Honours) (Mechanical) - Smart Technologies Major with Bachelor of Finance

Year 1								
S	MATHS 1011	<input type="checkbox"/>	^ENG 1001	<input type="checkbox"/>	CHEM ENG 1009	<input type="checkbox"/>	TECH 1006	<input type="checkbox"/>
2	Mathematics IA		Introduction to Engineering		Materials I		Engineering Mechanics Technology	
Year 2								
S	*MECH ENG 1007	<input type="checkbox"/>						
S	Engineering Mechanics – Dynamics							
S	MATHS 1012	<input type="checkbox"/>	ENG 1002	<input type="checkbox"/>	MECH ENG 2100	<input type="checkbox"/>	ELEC ENG 1101	<input type="checkbox"/>
1	Mathematics IB		Programming (Matlab and C)		Design Practice		Electronic Systems	
S	MATHS 2107	<input type="checkbox"/>	MECH ENG 2002	<input type="checkbox"/>	MECH ENG 2019	<input type="checkbox"/>	ECON 1009 International Financial	<input type="checkbox"/>
2	Statistics & Numerical Methods II		Stress Analysis & Design		Dynamics & Control I		Institutions & Markets	
Year 3								
S	MATHS 2106	<input type="checkbox"/>	MECH ENG 2021	<input type="checkbox"/>	COMP SCI 1102	<input type="checkbox"/>	ACCTING 1002	<input type="checkbox"/>
1	Differential Equations for Engineers II		Thermo-Fluids I		Object Oriented Programming		Introductory Accounting I	
S	MECH ENG	<input type="checkbox"/>	MECH ENG 3111	<input type="checkbox"/>			CORPFIN 1002	<input type="checkbox"/>
2	2101 Mechatronics IM		Acoustics and Vibrations				Business Finance I	
Internship								
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see note on page 2.								
Year 4								
S	MECH ENG 3102	<input type="checkbox"/>	COMP SCI 2103	<input type="checkbox"/>	CORPFIN 2501	<input type="checkbox"/>	ECON 1012	<input type="checkbox"/>
1	Heat Transfer & Thermodynamics		Algorithm Design & Data Structures		Financial Institutions Management II		Principles of Economics I	
S	ENG 3004	<input type="checkbox"/>	MECH ENG 3032	<input type="checkbox"/>	COMP SCI 3012	<input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools &	<input type="checkbox"/>
2	Systems Engineering & Industry Practice		Micro-Controller Programming		Distributed Systems		Techniques III or	
							CORPFIN 3502 Options, Futures & Risk	<input type="checkbox"/>
							Management III	
Year 5								
S	ENG 3005	<input type="checkbox"/>	COMP SCI 3001	<input type="checkbox"/>	CORPFIN 2502	<input type="checkbox"/>	MATHS 2103 Probability & Statistics II or	<input type="checkbox"/>
1	Research Method & Project Management		Computer Networks & Applications		Business Valuation II		ECON 2515 Intermediate Applied	<input type="checkbox"/>
S	ENG 4001A	<input type="checkbox"/>	ELEC ENG 4107	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	Econometrics II	<input type="checkbox"/>
2	Research Project Part A		Autonomous Systems				CORPFIN 3501	<input type="checkbox"/>
							Portfolio Theory & Management III	
Year 6								
S	ENG 4001B	<input type="checkbox"/>	Elective Year 4	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	ECON 2508	<input type="checkbox"/>
1	Research Project Part B		(see elective table)				Financial Economics II	

Core Course	Major course	Elective (see table)	Double Degree Courses
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Bachelor of Engineering (Honours) (Mechanical) - Sports Engineering Major with Bachelor of Finance

Year 1								
S	MATHS 1011	<input type="checkbox"/>	^ENG 1001	<input type="checkbox"/>	CHEM ENG 1009	<input type="checkbox"/>	TECH 1006	<input type="checkbox"/>
2	Mathematics IA		Introduction to Engineering		Materials I		Engineering Mechanics Technology	
Year 2								
S	*MECH ENG 1007	<input type="checkbox"/>						
S	Engineering Mechanics – Dynamics							
S	MATHS 1012	<input type="checkbox"/>	ENG 1002	<input type="checkbox"/>	MECH ENG 2100	<input type="checkbox"/>	ELEC ENG 1101	<input type="checkbox"/>
1	Mathematics IB		Programming (Matlab and C)		Design Practice		Electronic Systems	
S	MATHS 2107	<input type="checkbox"/>	MECH ENG 2002	<input type="checkbox"/>	MECH ENG 2019	<input type="checkbox"/>	ECON 1009 International Financial	<input type="checkbox"/>
2	Statistics & Numerical Methods II		Stress Analysis & Design		Dynamics & Control I		Institutions & Markets	
Year 3								
S	MATHS 2106	<input type="checkbox"/>	MECH ENG 2021	<input type="checkbox"/>	ANAT SC 1102	<input type="checkbox"/>	ACCTING 1002	<input type="checkbox"/>
1	Differential Equations for Engineers II		Thermo-Fluids I		Human Anatomy and Physiology IA		Introductory Accounting I	
S	MECH ENG	<input type="checkbox"/>	MECH ENG 3111	<input type="checkbox"/>			CORPFIN 1002	<input type="checkbox"/>
2	2101 Mechatronics IM		Acoustics and Vibrations				Business Finance I	
Internship								
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see note on page 2.								
Year 4								
S	MECH ENG 3102	<input type="checkbox"/>	MECH ENG 3026	<input type="checkbox"/>	CORPFIN 2501	<input type="checkbox"/>	ECON 1012	<input type="checkbox"/>
1	Heat Transfer & Thermodynamics		Advanced Mechanics of Materials		Financial Institutions Management II		Principles of Economics I	
S	ENG 3004	<input type="checkbox"/>	MECH ENG 3101	<input type="checkbox"/>	Elective Year 4 (see elective table)	<input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools &	<input type="checkbox"/>
2	Systems Engineering & Industry Practice		Applied Aerodynamics				Techniques III or	CORPFIN 3502 Options, Futures & Risk Management III
Year 5								
S	ENG 3005	<input type="checkbox"/>	MECH ENG 3107	<input type="checkbox"/>	CORPFIN 2502	<input type="checkbox"/>	MATHS 2103 Probability & Statistics II or	<input type="checkbox"/>
1	Research Method & Project Management		Sports Engineering II		Business Valuation II		ECON 2515 Intermediate Applied Econometrics II	<input type="checkbox"/>
S	ENG 4001A	<input type="checkbox"/>	MECH ENG 4101	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	CORPFIN 3501	<input type="checkbox"/>
2	Research Project Part A		Biomechanical Engineering				Portfolio Theory & Management III	
Year 6								
S	ENG 4001B	<input type="checkbox"/>	MECH ENG 4104	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	ECON 2508	<input type="checkbox"/>
1	Research Project Part B		Advanced Topics in Fluid Mechanics				Financial Economics II	

Core Course	Major course	Elective (see table)	Double Degree Courses
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Mechanical Engineering Electives

Not all Majors and Double Degrees permit electives in every semester slot.

Year 2					
S1	MECH ENG 2020 MECH ENG 2102	Materials & Manufacturing Sports Engineering I (not offered 2021)	S2	ELEC ENG 2106	Vector Calculus & Electromagnetics
Year 3					
S1	MECH ENG 3026 MECH ENG 3100 MECH ENG 3103 MECH ENG 3106 MECH ENG 3107	Advanced Mechanics of Materials Aeronautical Engineering Advanced Manufacturing Systems (not offered 2021) Mechatronics II Sports Engineering II	S2	ENG 3305 ENTREP 3900 MECH ENG 3032 MECH ENG 3101 MECH ENG 3104	Human Factors for Decision Making eChallenge Micro-Controller Programming Applied Aerodynamics Space Vehicle Design
WIN	PROJMGNT 3030	Project Logistics and Supply Chains			
Year 4					
S1	MECH ENG 4064 MECH ENG 4104 MECH ENG 4106 MECH ENG 4111 MECH ENG 4112 MECH ENG 4118 MECH ENG 4121 MECH ENG 4124 ENG 3201	Renewable Power Technologies (not offered 2021) Advanced Topics in Fluid Mechanics Aerospace Propulsion CFD for Engineering Applications Combustion Technology & Emission Control Finite Element Analysis of Structures Materials Selection & Failure Analysis Robotics M Essentials of Humanitarian Practice (TBC)	S2	MECH ENG 4100 MECH ENG 4101 MECH ENG 4102 MECH ENG 4105 MECH ENG 4107 MECH ENG 4108 MECH ENG 4120 MECH ENG 4123 MECH ENG 4125 ENG 3201	Advanced Topics in Aerospace Engineering Biomechanical Engineering Advanced PID Control Advanced Vibrations Air conditioning Aircraft Design Fracture Mechanics (not offered 2021) Advanced Digital Control Stresses in Plates & Shells (not offered 2021) Essentials of Humanitarian Practice (TBC)
SUM	MECH ENG 4115 MECH ENG 4126	Engineering Acoustics Topics in Welded Structures			