

Bachelor of Engineering (Honours) (Civil) – All Majors with Bachelor of Mathematical and Computer Sciences (Mathematics Major) – Semester 1 Start

Bachelor of Engineering (Honours) (Civil) with Bachelor of Mathematical and Computer Sciences – Mathematics Major	. 2
Bachelor of Engineering (Honours) (Civil) - Construction Management Major with Bachelor of Mathematical and Computer Sciences – Mathematics Major	۷.
Bachelor of Engineering (Honours) (Civil) - Geotechnical Engineering Major with Bachelor of Mathematical and Computer Sciences - Mathematics Major	. 6
Bachelor of Engineering (Honours) (Civil) - Structural Engineering Major with Bachelor of Mathematical and Computer Sciences - Mathematics Major	. 8
Bachelor of Engineering (Honours) (Civil) - Water Systems Major with Bachelor of Mathematical and Computer Sciences - Mathematics Major	1(



Bachelor of Engineering (Honours) (Civil) with Bachelor of Mathematical and Computer Sciences – Mathematics Major

			Year	1					
S 1	MATHS 1011 Mathematics IA	CEME 1004 Engineering Mechanics- St	tatics \Box	ENG 1002 Programming (Matlab and C)		Level 1 Engineering Elective (see elective table)			
S 2	MATHS 1012 Mathematics IB	CEME 1002 Introduction to Infrastruct	ture	^ ENG 1001 Introduction to Engineering		General Elective			
	Year 2								
S 1	MATHS 2106 Differential Equations for Engineers II	CEME 2001 Strength of Materials		CEME 2003 Civil Engineering Hydraulics		CEME 2004 Introduction to Geo-engineering			
S 2	MATHS 2107 Statistics & Numerical Methods II	CEME 2002 Structural Mechanics		CEME 2005 Transportation Engineering & Surveying		Level II or III Mathematics Elective			
			Year	3					
S 1	ENG 3004 Systems Engineering and Industry Practice	CEME 3001 Computer Analysis of Stru Structural Dynamics	ctures and	CEME 3002 Reinforced Concrete Design		Level II or III Mathematics Elective			
S 2	ENG 3005 Research Method & Project Management	CEME 3003 Structural Steel Design		CEME 3005 Advanced Civil Engineering Hydraulics		CEME 3006 Geotechnical Engineering			
			Interns	hip					
	All Engineering students commencing fro	om 2019 are required to comp	lete a minimum of 8	weeks of internship during the course of	their st	udies – see note below elective table.			
			Year	4					
S 1	ENG 4001A Research Project Part A	CEME 3004 Hydrology for Engineers		Civil Engineering Elective (see elective table)		Level II or III Mathematics Elective			
S 2	ENG 4001B Research Project Part B	CEME 4050 Design Practice		Level II or III Mathematics Elective		Level III Mathematics Elective			
			Year	5					
S 1	Civil Engineering Elective (see elective table)	Civil Engineering Elective (see elective table)		General Elective		Level III Mathematics Elective			
S 2	Civil Engineering Elective (see elective table)	Civil Engineering Elective (see elective table)		Level III Mathematics Elective		Level III Mathematics Elective			
Cor	e Courses Double Degree Courses	Elective (see table)							



Electives Table

	CHOOSE FROM THE FOLLOWING LEVEL 1 ELECTIVES										
S1	CEME 1001 CHEM ENG 1007 ELEC ENG 1101 CONMGNT 1001	Introduction to Environmental Engineering Introduction to Process Engineering Electronic Systems Fundamentals of Construction Estimation	S2	CEME 1003 MECH ENG 1007 CONMGNT 1000	Resources and Energy in a Circular Economy Engineering Mechanics- Dynamics Civil Engineering Construction Materials						
	CHOOSE FROM THE FOLLOWING CIVIL ENGINEERING ELECTIVES										
S1	CHEM ENG 4051	Water and Wastewater Engineering	S2	CEME 2006 CEME 3007 C&ENVENG 4109 C&ENVENG 4110	Environmental Modelling and Simulation Integrated Environment Planning and Impact Assessment Designing Water Resource Systems for Urban Environments Soil and Ground Water Remediation						
твс	CEME 4009 CEME 4007 ENG 4011 CEME 4005 CEME 4006 CEME 4003 CEME 4001 CEME 4002 CEME 4004	Environmental Decision Making Unsaturated Soils Engineering Geology Advanced Hydrological Modelling & Water Resource System Advanced Hydrology and Flood Hydraulics Wind and Earthquake Engineering Advanced Reinforced Concrete Design Finite Element Theory and Practice Advanced Water Distribution Systems Engineering	s								

NOTES

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

Internship: 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 <u>Careers Service</u>. Register with CareerHub to access a database where opportunities are posted.

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) (Civil) - Construction Management Major with Bachelor of Mathematical and Computer Sciences – Mathematics Major

		With Business of 1/1			0101	1000 Hattiellaties 1/14) • •			
		<u></u>	Year							
S 1	MATHS 1011 Mathematics IA	CEME 1004 Engineering Mechanics- Statics		ENG 1002 Programming (Matlab and C)		Level 1 Engineering Elective (see elective table)				
S 2	MATHS 1012 Mathematics IB	CEME 1002 Introduction to Infrastructure		^ ENG 1001 Introduction to Engineering		DESST 1504 Representation I				
	Year 2									
S 1	MATHS 2106 Differential Equations for Engineers II	CEME 2001 Strength of Materials		CEME 2003 Civil Engineering Hydraulics		CEME 2004 Introduction to Geo-engineering				
S 2	MATHS 2107 Statistics & Numerical Methods II	CEME 2002 Structural Mechanics		CEME 2005 Transportation Engineering & Surveying		Level II or III Mathematics Elective				
			Year	3						
S 1	ENG 3004 Systems Engineering and Industry Practice	CEME 3001 Computer Analysis of Structures and Structural Dynamics		CEME 3002 Reinforced Concrete Design		Level II or III Mathematics Elective				
S 2	ENG 3005 Research Method & Project Management	CEME 3003 Structural Steel Design		CEME 3005 Advanced Civil Engineering Hydraulics		CEME 3006 Geotechnical Engineering				
			Interns	ship						
	All Engineering students commencing fro	m 2019 are required to complete a minim	um of 8	3 weeks of internship during the course of t	neir st	udies – see note below elective table.				
			Year	4						
S 1	ENG 4001A Research Project Part A	CEME 3004 Hydrology for Engineers		DESST 2518 Construction II		Level II or III Mathematics Elective				
S 2	ENG 4001B Research Project Part B	CEME 4050 Design Practice		Level II or III Mathematics Elective		Level III Mathematics Elective				
			Year	5						
S 1	ENG 3301 Construction Management and Technology I	DESST 3514 Construction III		ENG 3302 Cost Planning and Management		Level III Mathematics Elective				
S 2	ENG 3304 Development and Construction	ENG 3303 Construction Management and Technologies		Level III Mathematics Elective		Level III Mathematics Elective				
Cor	Major Courses Double Dogr	oo Courcos								



Electives Table

	CHOOSE FROM THE FOLLOWING LEVEL 1 ELECTIVES										
S1	CEME 1001 CHEM ENG 1007 ELEC ENG 1101 CONMGNT 1001	Introduction to Environmental Engineering Introduction to Process Engineering Electronic Systems Fundamentals of Construction Estimation	S2	CEME 1003 MECH ENG 1007 CONMGNT 1000	Resources and Energy in a Circular Economy Engineering Mechanics- Dynamics Civil Engineering Construction Materials						

NOTES

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

Internship: 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 <u>Careers Service</u>. Register with CareerHub to access a database where opportunities are posted.

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) (Civil) - Geotechnical Engineering Major with Bachelor of Mathematical and Computer Sciences - Mathematics Major

			Year	1			
S 1	MATHS 1011 Mathematics IA	CEME 1004 Engineering Mechanics- Statics		ENG 1002 Programming (Matlab and C)		Level 1 Engineering Elective (see elective table)	
S 2	MATHS 1012 Mathematics IB	CEME 1002 Introduction to Infrastructure		^ ENG 1001 Introduction to Engineering		General Elective	
			Year	2			
S 1	MATHS 2106 Differential Equations for Engineers II	CEME 2001 Strength of Materials		CEME 2003 Civil Engineering Hydraulics		CEME 2004 Introduction to Geo-engineering	
S 2	MATHS 2107 Statistics & Numerical Methods II	CEME 2002 Structural Mechanics		CEME 2005 Transportation Engineering & Surveying		Level II or III Mathematics Elective	
			Year	3			
S 1	ENG 3004 Systems Engineering and Industry Practice	CEME 3001 Computer Analysis of Structures and Structural Dynamics		CEME 3002 Reinforced Concrete Design		Level II or III Mathematics Elective	
S 2	ENG 3005 Research Method & Project Management	CEME 3003 Structural Steel Design		CEME 3005 Advanced Civil Engineering Hydraulics		CEME 3006 Geotechnical Engineering	
		li	nterns	ship			
	All Engineering students commencing from	m 2019 are required to complete a minimu	m of 8	3 weeks of internship during the course of tl	neir st	tudies – see note below elective table.	
			Year	4			
S 1	ENG 4001A Research Project Part A	CEME 3004 Hydrology for Engineers		Civil Engineering Elective (see elective table)		Level II or III Mathematics Elective	
S 2	ENG 4001B Research Project Part B	CEME 4050 Design Practice		Level II or III Mathematics Elective		Level III Mathematics Elective	
			Year	5			
S 1	CEME 4007 Unsaturated Soils	Civil Engineering Elective (see elective table)		MINING 4102 Mine Geotechnical Engineering		Level III Mathematics Elective	
S 2	CEME 4008 Soil and Ground Water Remediation	ENG 4011 Engineering Geology		Level III Mathematics Elective		Level III Mathematics Elective	
Cor	e Courses Major Courses Elective (see	elective table) Double Degree Courses					

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



Electives Table

	CHOOSE FROM THE FOLLOWING LEVEL 1 ELECTIVES										
S1	CEME 1001 CHEM ENG 1007 ELEC ENG 1101 CONMGNT 1001	Introduction to Environmental Engineering Introduction to Process Engineering Electronic Systems Fundamentals of Construction Estimation	S2	CEME 1003 MECH ENG 1007 CONMGNT 1000	Resources and Energy in a Circular Economy Engineering Mechanics- Dynamics Civil Engineering Construction Materials						
CHOOSE FROM THE FOLLOWING CIVIL ENGINEERING ELECTIVES											
S1	CHEM ENG 4051	Water and Wastewater Engineering	S2	CEME 2006 CEME 3007 C&ENVENG 4109	Environmental Modelling and Simulation Integrated Environment Planning and Impact Assessment Designing Water Resource Systems for Urban Environments						
ТВС	CEME 4009 ENG 4011 CEME 4005 CEME 4006 CEME 4003 CEME 4001 CEME 4002 CEME 4004	Environmental Decision Making Engineering Geology Advanced Hydrological Modelling & Water Resource System Advanced Hydrology and Flood Hydraulics Wind and Earthquake Engineering Advanced Reinforced Concrete Design Finite Element Theory and Practice Advanced Water Distribution Systems Engineering	ns								

NOTES

Internship: 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 <u>Careers Service</u>. Register with CareerHub to access a database where opportunities are posted.

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) (Civil) - Structural Engineering Major with Bachelor of Mathematical and Computer Sciences - Mathematics Major

			Year	1			Ž			
S 1	MATHS 1011 Mathematics IA	CEME 1004 Engineering Mechanics- Statics		ENG 1002 Programming (Matlab and C)		Level 1 Engineering Elective (see elective table)				
S 2	MATHS 1012 Mathematics IB	CEME 1002 Introduction to Infrastructure		^ ENG 1001 Introduction to Engineering		General Elective				
	Year 2									
S 1	MATHS 2106 Differential Equations for Engineers II	CEME 2001 Strength of Materials		CEME 2003 Civil Engineering Hydraulics		CEME 2004 Introduction to Geo-engineering				
S 2	MATHS 2107 Statistics & Numerical Methods II	CEME 2002 Structural Mechanics		CEME 2005 Transportation Engineering & Surveying		Level II or III Mathematics Elective				
			Year	3						
S 1	ENG 3004 Systems Engineering and Industry Practice	CEME 3001 Computer Analysis of Structures and Structural Dynamics		CEME 3002 Reinforced Concrete Design		Level II or III Mathematics Elective				
S 2	ENG 3005 Research Method & Project Management	CEME 3003 Structural Steel Design		CEME 3005 Advanced Civil Engineering Hydraulics		CEME 3006 Geotechnical Engineering				
			nterns	ship						
	All Engineering students commencing fro	m 2019 are required to complete a minimu	ım of 8	3 weeks of internship during the course of the	neir st	tudies – see note below elective table.				
			Year	4						
S 1	ENG 4001A Research Project Part A	Civil Engineering Elective (see elective table)		CEME 3004 Hydrology for Engineers		Level II or III Mathematics Elective				
S 2	ENG 4001B Research Project Part B	General Elective		CEME 4050 Design Practice		Level II or III Mathematics Elective				
			Year	5						
S 1	CEME 4001 Advanced Reinforced Concrete Design	CEME 4003 Wind and Earthquake Engineering		Level III Mathematics Elective		Level III Mathematics Elective				
S 2	CEME 4002 Finite Element Theory and Practice	Civil Engineering Elective (see elective table)		Level III Mathematics Elective		Level III Mathematics Elective				
Cor	re Courses Major Courses Electiv	ve (see elective table) Double Degree Co	urses							

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



Electives Table

	CHOOSE FROM THE FOLLOWING LEVEL 1 ELECTIVES										
S1	CEME 1001 CHEM ENG 1007 ELEC ENG 1101 CONMGNT 1001	Introduction to Environmental Engineering Introduction to Process Engineering Electronic Systems Fundamentals of Construction Estimation	S2	CEME 1003 MECH ENG 1007 CONMGNT 1000	Resources and Energy in a Circular Economy Engineering Mechanics- Dynamics Civil Engineering Construction Materials						
	CHOOSE FROM THE FOLLOWING CIVIL ENGINEERING ELECTIVES										
S1	CHEM ENG 4051	Water and Wastewater Engineering	S2	CEME 2006 CEME 3007 C&ENVENG 4109 C&ENVENG 4110	Environmental Modelling and Simulation Integrated Environment Planning and Impact Assessment Designing Water Resource Systems for Urban Environments Soil and Ground Water Remediation						
TBC CEME 4009 CEME 4007 Unsaturated Soils Engineering Geology CEME 4005 CEME 4005 CEME 4006 CEME 4006 CEME 4006 CEME 4006 CEME 4004 Advanced Hydrology and Flood Hydraulics CEME 4004 Advanced Water Distribution Systems Engineering											

NOTES

Internship: 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 <u>Careers Service</u>. Register with CareerHub to access a database where opportunities are posted.

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) (Civil) - Water Systems Major with Bachelor of Mathematical and Computer Sciences - Mathematics Major

			Year	1					
S 1	MATHS 1011 Mathematics IA	CEME 1004 Engineering Mechanics- Statics		ENG 1002 Programming (Matlab and C)		Level 1 Engineering Elective (see elective table)			
S 2	MATHS 1012 Mathematics IB	CEME 1002 Introduction to Infrastructure		^ ENG 1001 Introduction to Engineering		General Elective			
	Year 2								
S 1	MATHS 2106 Differential Equations for Engineers II	CEME 2001 Strength of Materials		CEME 2003 Civil Engineering Hydraulics		CEME 2004 Introduction to Geo-engineering			
S 2	MATHS 2107 Statistics & Numerical Methods II	CEME 2002 Structural Mechanics		CEME 2005 Transportation Engineering & Surveying		Level II or III Mathematics Elective			
			Year	3					
S 1	ENG 3004 Systems Engineering and Industry Practice	CEME 3001 Computer Analysis of Structures and Structural Dynamics		CEME 3002 Reinforced Concrete Design		Level II or III Mathematics Elective			
S 2	ENG 3005 Research Method & Project Management	CEME 3003 Structural Steel Design		CEME 3005 Advanced Civil Engineering Hydraulics		CEME 3006 Geotechnical Engineering			
		In	iterns	hip					
	All Engineering students commencing from	n 2019 are required to complete a minimur	m of 8	weeks of internship during the course of the	heir st	udies – see note below elective table.			
			Year	4					
S 1	ENG 4001A Research Project Part A	CEME 3004 Hydrology for Engineers		Civil Engineering Elective (see elective table)		Level II or III Mathematics Elective			
S 2	ENG 4001B Research Project Part B	CEME 4050 Design Practice		General Elective		Level II or III Mathematics Elective			
			Year	5					
S 1	CEME 4004 Advanced Water Distribution Systems Engineering	CEME 4006 Advanced Hydrology and Flood Hydraulics		Level III Mathematics Elective		Level III Mathematics Elective			
S 2	CEME 4005 Advanced Hydrological Modelling & Water Resource Systems	Civil Engineering Elective (see elective table)		Level III Mathematics Elective		Level III Mathematics Elective			
Cor	e Courses Major Courses Elective	(see elective table) Double Degree Cour	ses						



Electives Table

	CHOOSE FROM THE FOLLOWING LEVEL 1 ELECTIVES										
S1	CEME 1001 CHEM ENG 1007 ELEC ENG 1101 CONMGNT 1001	Introduction to Environmental Engineering Introduction to Process Engineering Electronic Systems Fundamentals of Construction Estimation	S2	CEME 1003 MECH ENG 1007 CONMGNT 1000	Resources and Energy in a Circular Economy Engineering Mechanics- Dynamics Civil Engineering Construction Materials						
	CHOOSE FROM THE FOLLOWING CIVIL ENGINEERING ELECTIVES										
S1	CHEM ENG 4051	Water and Wastewater Engineering	S2	CEME 2006 CEME 3007 C&ENVENG 4109 C&ENVENG 4110	Environmental Modelling and Simulation Integrated Environment Planning and Impact Assessment Designing Water Resource Systems for Urban Environments Soil and Ground Water Remediation						
твс	CEME 4009 CEME 4007 ENG 4011 CEME 4003 CEME 4001 CEME 4002	Environmental Decision Making Unsaturated Soils Engineering Geology Wind and Earthquake Engineering Advanced Reinforced Concrete Design Finite Element Theory and Practice									

NOTES

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

Internship: 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 <u>Careers Service</u>. Register with CareerHub to access a database where opportunities are posted.

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