

No Major	2
Geotechnical Engineering Major	4
Structural Engineering Major.....	6
Water Systems Major	8

Year 1				
S 1	MATHS 1011 Mathematics IA <input type="checkbox"/>	CEME 1004 Engineering Mechanics- Statics <input type="checkbox"/>	ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/>	Level 1 Engineering Elective (see elective table) <input type="checkbox"/>
S 2	MATHS 1012 Mathematics IB <input type="checkbox"/>	CEME 1002 Introduction to Infrastructure <input type="checkbox"/>	▲ ENG 1001 Introduction to Engineering <input type="checkbox"/>	ACCTING 1002 Introductory Accounting <input type="checkbox"/>
Year 2				
S 1	MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/>	CEME 2001 Strength of Materials <input type="checkbox"/>	CEME 2003 Civil Engineering Hydraulics <input type="checkbox"/>	CEME 2004 Introduction to Geo-engineering <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	CEME 2002 Structural Mechanics <input type="checkbox"/>	CEME 2005 Transportation Engineering & Surveying <input type="checkbox"/>	CORPFIN 1002 Business Finance <input type="checkbox"/>
Year 3				
S 1	ENG 3004 Systems Engineering and Industry Practice <input type="checkbox"/>	CEME 3001 Computer Analysis of Structures and Structural Dynamics <input type="checkbox"/>	CEME 3002 Reinforced Concrete Design <input type="checkbox"/>	ECON 1009 International Financial Institutions and Markets <input type="checkbox"/>
S 2	ENG 3005 Research Method & Project Management <input type="checkbox"/>	CEME 3003 Structural Steel Design <input type="checkbox"/>	CEME 3005 Advanced Civil Engineering Hydraulics <input type="checkbox"/>	CEME 3006 Geotechnical Engineering <input type="checkbox"/>
Internship				
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Year 4				
S 1	ENG 4001A Research Project Part A <input type="checkbox"/>	CEME 3004 Hydrology for Engineers <input type="checkbox"/>	ECON 1012 Principles of Economics I <input type="checkbox"/>	ECON 2508 Financial Economics II <input type="checkbox"/>
S 2	ENG 4001B Research Project Part B <input type="checkbox"/>	Civil Engineering Elective (see elective table) <input type="checkbox"/>	CORPFIN 2502 Business Valuation <input type="checkbox"/>	CORPFIN 2501 Financial Institutions Management <input type="checkbox"/>
Year 5				
S 1	Civil Engineering Elective (see elective table) <input type="checkbox"/>	Finance and Banking Elective (see elective table) <input type="checkbox"/>	CORPFIN 2504 Options, Futures & Risk Management <input type="checkbox"/>	ECON 3511 Money, Banking and Financial Markets III <input type="checkbox"/>
S 2	Civil Engineering Elective (see elective table) <input type="checkbox"/>	CORPFIN 3501 Portfolio Theory & Management <input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools and Techniques III <input type="checkbox"/>	CEME 4050 Design Practice <input type="checkbox"/>
Core Courses		Major Courses	Elective	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.

CHOOSE FROM THE FOLLOWING LEVEL 1 ENGINEERING ELECTIVES

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

S1	CEME 4001 CEME 4002 CEME 4007 CEME 4008 CHEM ENG 4051	Advanced Reinforced Concrete Design Finite Element Theory and Practice Unsaturated Soils Soil and Ground Water Remediation Water and Wastewater Engineering	S2	CEME 2006 CEME 3007 CEME 4003 CEME 4006 CEME 4009 CEME 4010	Climate & Environmental Change Impact Modelling Integrated Environment Planning and Impact Assessment Wind and Earthquake Engineering Climate Risk and Resilience Decision Making for Sustainable Solutions Designing Water Resource Systems for Urban Environments
SUM	CEME 4005	Integrated Natural Hazard Risk Management			

CHOOSE FROM THE FOLLOWING FINANCE AND BANKING ELECTIVES

S1	CORPFIN 3507 ECON 3506	Topics in Corporate Finance International Trade III	S2	CORPFIN 3505 CORPFIN 3506 ECON 3510	Corporate Regulations and Ethics in Finance Takeovers, Corporate Restructuring and Governance International Finance III
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Information and Enrolment Advice:

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Year 1				
S 1	MATHS 1011 Mathematics IA <input type="checkbox"/>	CEME 1004 Engineering Mechanics- Statics <input type="checkbox"/>	ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/>	ACCTING 1002 Introductory Accounting <input type="checkbox"/>
S 2	MATHS 1012 Mathematics IB <input type="checkbox"/>	CEME 1002 Introduction to Infrastructure <input type="checkbox"/>	^ ENG 1001 Introduction to Engineering <input type="checkbox"/>	ECON 1009 International Financial Institutions and Markets <input type="checkbox"/>
Year 2				
S 1	MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/>	CEME 2001 Strength of Materials <input type="checkbox"/>	CEME 2003 Civil Engineering Hydraulics <input type="checkbox"/>	CEME 2004 Introduction to Geo-Engineering <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	CEME 2002 Structural Mechanics <input type="checkbox"/>	CEME 2005 Transportation Engineering & Surveying <input type="checkbox"/>	CORPFIN 1002 Business Finance <input type="checkbox"/>
Year 3				
S 1	ENG 3004 Systems Engineering and Industry Practice <input type="checkbox"/>	CEME 3001 Computer Analysis of Structures and Structural Dynamics <input type="checkbox"/>	CEME 3002 Reinforced Concrete Design <input type="checkbox"/>	CEME 3004 Hydrology for Engineers <input type="checkbox"/>
S 2	ENG 3005 Research Method & Project Management <input type="checkbox"/>	CEME 3003 Structural Steel Design <input type="checkbox"/>	CEME 3005 Advanced Civil Engineering Hydraulics <input type="checkbox"/>	CEME 3006 Geotechnical Engineering <input type="checkbox"/>
Internship				
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Year 4				
S 1	ENG 4001A Research Project Part A <input type="checkbox"/>	MINING 3076 Geomechanics & Excavation Engineering <input type="checkbox"/>	ECON 1012 Principles of Economics I <input type="checkbox"/>	ECON 2508 Financial Economics II <input type="checkbox"/>
S 2	ENG 4001B Research Project Part B <input type="checkbox"/>	CEME 4050 Design Practice <input type="checkbox"/>	CORPFIN 2502 Business Valuation <input type="checkbox"/>	CORPFIN 2501 Financial Institutions Management <input type="checkbox"/>
Year 5				
S 1	CEME 4007 Unsaturated Soils <input type="checkbox"/>	GEOLOGY 2501 Structural Geology II <input type="checkbox"/>	CEME 4008 Soil and Ground Water Remediation <input type="checkbox"/>	ECON 3511 Money, Banking and Financial Markets III <input type="checkbox"/>
S 2	CORPFIN 2504 Options, Futures & Risk Management <input type="checkbox"/>	CORPFIN 3501 Portfolio Theory & Management <input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools & Techniques III <input type="checkbox"/>	Finance and Banking Elective (see elective table) <input type="checkbox"/>
Core Courses		Major Courses	Elective	Double Degree Courses

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CHOOSE FROM THE FOLLOWING CIVIL ENGINEERING ELECTIVES

S1	CEME 4001 CEME 4002 CHEM ENG 4051	Advanced Reinforced Concrete Design Finite Element Theory and Practice Water and Wastewater Engineering	S2	CEME 2006 CEME 3007 CEME 4003 CEME 4006 CEME 4009 CEME 4010	Climate & Environmental Change Impact Modelling Integrated Environment Planning and Impact Assessment Wind and Earthquake Engineering Climate Risk and Resilience Decision Making for Sustainable Solutions Designing Water Resource Systems for Urban Environments
SUM	CEME 4005	Integrated Natural Hazard Risk Management			

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S1	CORPFIN 3507 ECON 3506	Topics in Corporate Finance International Trade III	S2	CORPFIN 3505 CORPFIN 3506 ECON 3510	Corporate Regulations and Ethics in Finance Takeovers, Corporate Restructuring and Governance International Finance III
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Structural Engineering Major

Year 1				
S 1	MATHS 1011 Mathematics IA <input type="checkbox"/>	CEME 1004 Engineering Mechanics- Statics <input type="checkbox"/>	ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/>	Level 1 Engineering Elective (see elective table) <input type="checkbox"/>
S 2	MATHS 1012 Mathematics IB <input type="checkbox"/>	CEME 1002 Introduction to Infrastructure <input type="checkbox"/>	^ ENG 1001 Introduction to Engineering <input type="checkbox"/>	ACCTING 1002 Introductory Accounting <input type="checkbox"/>
Year 2				
S 1	MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/>	CEME 2001 Strength of Materials <input type="checkbox"/>	CEME 2003 Civil Engineering Hydraulics <input type="checkbox"/>	CEME 2004 Introduction to Geo-engineering <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	CEME 2002 Structural Mechanics <input type="checkbox"/>	CEME 2005 Transportation Engineering & Surveying <input type="checkbox"/>	CORPFIN 1002 Business Finance <input type="checkbox"/>
Year 3				
S 1	ENG 3004 Systems Engineering and Industry Practice <input type="checkbox"/>	CEME 3001 Computer Analysis of Structures and Structural Dynamics <input type="checkbox"/>	CEME 3002 Reinforced Concrete Design <input type="checkbox"/>	ECON 1009 International Financial Institutions and Markets <input type="checkbox"/>
S 2	ENG 3005 Research Method & Project Management <input type="checkbox"/>	CEME 3003 Structural Steel Design <input type="checkbox"/>	CEME 3005 Advanced Civil Engineering Hydraulics <input type="checkbox"/>	CEME 3006 Geotechnical Engineering <input type="checkbox"/>
Internship				
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Year 4				
S 1	ENG 4001A Research Project Part A <input type="checkbox"/>	CEME 3004 Hydrology for Engineers <input type="checkbox"/>	ECON 1012 Principles of Economics I <input type="checkbox"/>	ECON 2508 Financial Economics II <input type="checkbox"/>
S 2	ENG 4001B Research Project Part B <input type="checkbox"/>	CORPFIN 2504 Options, Futures & Risk Management <input type="checkbox"/>	CORPFIN 2502 Business Valuation <input type="checkbox"/>	CORPFIN 2501 Financial Institutions Management <input type="checkbox"/>
Year 5				
S 1	CEME 4001 Advanced Reinforced Concrete Design <input type="checkbox"/>	CEME 4002 Finite Element Theory and Practice <input type="checkbox"/>	CORPFIN 3501 Portfolio Theory & Management <input type="checkbox"/>	ECON 3511 Money, Banking and Financial Markets III <input type="checkbox"/>
S 2	CEME 4003 Wind and Earthquake Engineering <input type="checkbox"/>	CEME 4050 Design Practice <input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools & Techniques III <input type="checkbox"/>	Finance and Banking Elective (see elective table) <input type="checkbox"/>
Core Courses		Major Courses	Elective	Double Degree Courses

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Bachelor of Engineering (Honours) (Civil) with Bachelor of Finance and Banking

2022 Study Plan Semester 1 Start Water Systems Major

Year 1				
S 1	MATHS 1011 Mathematics IA <input type="checkbox"/>	CEME 1004 Engineering Mechanics- Statics <input type="checkbox"/>	ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/>	Level 1 Engineering Elective (see elective table) <input type="checkbox"/>
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S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	CEME 2002 Structural Mechanics <input type="checkbox"/>	CEME 2005 Transportation Engineering & Surveying <input type="checkbox"/>	CORPFIN 1002 Business Finance <input type="checkbox"/>
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S 1	ENG 3004 Systems Engineering and Industry Practice <input type="checkbox"/>	CEME 3001 Computer Analysis of Structures and Structural Dynamics <input type="checkbox"/>	CEME 3002 Reinforced Concrete Design <input type="checkbox"/>	ECON 1009 International Financial Institutions and Markets <input type="checkbox"/>
S 2	ENG 3005 Research Method & Project Management <input type="checkbox"/>	CEME 3003 Structural Steel Design <input type="checkbox"/>	CEME 3005 Advanced Civil Engineering Hydraulics <input type="checkbox"/>	CEME 3006 Geotechnical Engineering <input type="checkbox"/>
Internship				
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Year 4				
S U M	CEME 4005 Integrated Natural Hazard Risk Management <input type="checkbox"/>			
S 1	ENG 4001A Research Project Part A <input type="checkbox"/>	CEME 3004 Hydrology for Engineers <input type="checkbox"/>	ECON 1012 Principles of Economics I <input type="checkbox"/>	CORPFIN 2501 Financial Institutions Management <input type="checkbox"/>
S 2	ENG 4001B Research Project Part B <input type="checkbox"/>	CEME 4050 Design Practice <input type="checkbox"/>	CORPFIN 2502 Business Valuation <input type="checkbox"/>	

Year 5				
S1	CEME 4008 Soil and Ground Water Remediation <input type="checkbox"/>	CORPFIN 2504 Options, Futures & Risk Management <input type="checkbox"/>	ECON 3511 Money, Banking and Financial Markets III <input type="checkbox"/>	ECON 2508 Financial Economics <input type="checkbox"/>
S2	CEME 4006 Climate Risk and Resilience <input type="checkbox"/>	CORPFIN 3501 Portfolio Theory & Management <input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools & Techniques III <input type="checkbox"/>	Finance and Banking Elective (see elective table) <input type="checkbox"/>
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