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<td>Water Systems Major</td>
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Bachelor of Engineering (Honours) (Civil) with Bachelor of Finance and Banking
Semester 1 Start
No Major

<table>
<thead>
<tr>
<th>Year 1</th>
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<tr>
<td>S 1</td>
<td>MATHS 1011 Mathematics IA</td>
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<td>ENG 1003 Programming (Matlab and Excel)</td>
<td>Level 1 Engineering Elective (see elective table)</td>
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<td>MATHS 1012 Mathematics IB</td>
<td>CEME 1002 Introduction to Infrastructure</td>
<td>^ ENG 1001 Introduction to Engineering</td>
<td>ACCTING 1002 Introductory Accounting</td>
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<td>CEME 2003 Civil Engineering Hydraulics</td>
<td>CEME 2004 Introduction to Geo-engineering</td>
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<td>ENG 3004 Systems Engineering and Industry Practice</td>
<td>CEME 3001 Computer Analysis of Structures and Structural Dynamics</td>
<td>CEME 3002 Reinforced Concrete Design</td>
<td>ECON 1009 International Financial Institutions and Markets</td>
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<tr>
<td>S 2</td>
<td>ENG 3005 Research Method &amp; Project Management</td>
<td>CEME 3003 Structural Steel Design</td>
<td>CEME 3005 Advanced Civil Engineering Hydraulics</td>
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<table>
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<tr>
<th>Internship</th>
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<th>Year 4</th>
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<td>S 1</td>
<td>ENG 4001A Research Project Part A</td>
<td>CEME 3004 Hydrology for Engineers</td>
<td>ECON 1012 Principles of Economics I</td>
<td>CORPFIN 2501 Financial Institutions Management</td>
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<td>S 2</td>
<td>ENG 4001B Research Project Part B</td>
<td>Civil Engineering Elective (see elective table)</td>
<td>CORPFIN 2502 Business Valuation</td>
<td>ECON 2508 Financial Economics II</td>
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<tr>
<td>S 1</td>
<td>Civil Engineering Elective (see elective table)</td>
<td>Finance and Banking Elective (see elective table)</td>
<td>CORPFIN 2504 Options, Futures &amp; Risk Management</td>
<td>ECON 3511 Money, Banking and Financial Markets III</td>
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<td>S 2</td>
<td>Civil Engineering Elective (see elective table)</td>
<td>CORPFIN 3501 Portfolio Theory &amp; Management</td>
<td>MATHS 3012 Financial Modelling: Tools and Techniques III</td>
<td>CEME 4050 Design Practice</td>
</tr>
</tbody>
</table>

Core Courses | Major Courses | Elective | Double Degree Courses |

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

## Semester 1 Start

### 2022 Study Plan

#### CHOOSE FROM THE FOLLOWING LEVEL 1 ENGINEERING ELECTIVES

<table>
<thead>
<tr>
<th>S1</th>
<th>CEME 1001</th>
<th>Introduction to Environmental Engineering</th>
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<td></td>
<td>CHEM ENG 1007</td>
<td>Introduction to Process Engineering</td>
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<td>ELEC ENG 1101</td>
<td>Electronic Systems</td>
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<td>S2</td>
<td>CEME 1003</td>
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<td>CONMGT 1000</td>
<td>Civil Engineering Construction Materials</td>
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<td>CONMGT 1001</td>
<td>Construction Estimation and Surveying</td>
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<td>MECH ENG 1007</td>
<td>Engineering Mechanics - Dynamics</td>
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#### CHOOSE FROM THE FOLLOWING CIVIL ENGINEERING ELECTIVES

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<tr>
<th>S1</th>
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<td>CEME 4002</td>
<td>Finite Element Theory and Practice</td>
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<td>CEME 4007</td>
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<td>CHEM ENG 4051</td>
<td>Water and Wastewater Engineering</td>
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<td>CEME 2006</td>
<td>Climate &amp; Environmental Change Impact Modelling</td>
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<td>CEME 3007</td>
<td>Integrated Environment Planning and Impact Assessment</td>
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<td></td>
<td>CEME 4003</td>
<td>Wind and Earthquake Engineering</td>
</tr>
<tr>
<td></td>
<td>CEME 4006</td>
<td>Advanced Hydrology and Flood Hydraulics</td>
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<tr>
<td></td>
<td>CEME 4008</td>
<td>Soil and Ground Water Remediation</td>
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<td></td>
<td>CEME 4009</td>
<td>Decision Making for Sustainable Solutions</td>
</tr>
<tr>
<td></td>
<td>CEME 4010</td>
<td>Designing Water Resource Systems for Urban Environments</td>
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| SUM | CEME 4005  | Integrated Natural Hazard Risk Management |

#### CHOOSE FROM THE FOLLOWING FINANCE AND BANKING ELECTIVES

<table>
<thead>
<tr>
<th>S1</th>
<th>CORPFIN 3507</th>
<th>Topics in Corporate Finance</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>ECON 3506</td>
<td>International Trade III</td>
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<tr>
<td>S2</td>
<td>CORPFIN 3505</td>
<td>Corporate Regulations and Ethics in Finance</td>
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<td>CORPFIN 3506</td>
<td>Takeovers, Corporate Restructuring and Governance</td>
</tr>
<tr>
<td></td>
<td>ECON 3510</td>
<td>International Finance III</td>
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</table>

### NOTES

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Email: [askecms@adelaide.edu.au](mailto:askecms@adelaide.edu.au)

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

**Semester 1 Start**

## Geotechnical Engineering Major

<table>
<thead>
<tr>
<th>Year</th>
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<th>Course Title</th>
<th>Course Code</th>
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<td>S1</td>
<td>MATHS 1011</td>
<td>Mathematics IA</td>
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<td>Engineering Mechanics - Statics</td>
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<tr>
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<td>MATHS 1012</td>
<td>Mathematics IB</td>
<td>CEME 1002</td>
<td>Introduction to Infrastructure</td>
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<td>MATHS 2106</td>
<td>Differential Equations for Engineers II</td>
<td>CEME 2001</td>
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<td>MATHS 2107</td>
<td>Statistics &amp; Numerical Methods II</td>
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<td>S1</td>
<td>ENG 1001</td>
<td>Introduction to Engineering</td>
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<tr>
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<td>Introduction to Geo-Engineering</td>
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<td>Soil and Ground Water Remediation</td>
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<td>Portfolio Theory &amp; Management</td>
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<td>S1</td>
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<td>Soil and Ground Water Remediation</td>
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<td>CEME 4010</td>
<td>Soil and Ground Water Remediation</td>
<td>MATHS 3012</td>
<td>Financial Modelling: Tools &amp; Techniques III</td>
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**Internship**

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MATHS 1011</td>
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### Major Courses

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<td>CEME 1004</td>
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<td>CEME 1002</td>
<td>Introduction to Infrastructure</td>
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<td>CEME 2001</td>
<td>Strength of Materials</td>
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<td>CEME 2002</td>
<td>Structural Mechanics</td>
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<td>CEME 2003</td>
<td>Civil Engineering Hydraulics</td>
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<td>CEME 2004</td>
<td>Introduction to Geo-Engineering</td>
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<tr>
<td>CEME 3001</td>
<td>Computer Analysis of Structures and Structural Dynamics</td>
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<tr>
<td>CEME 3002</td>
<td>Reinforced Concrete Design</td>
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<tr>
<td>CEME 3004</td>
<td>Hydrology for Engineers</td>
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<td>CEME 3005</td>
<td>Advanced Civil Engineering Hydraulics</td>
</tr>
<tr>
<td>CEME 3006</td>
<td>Geotechnical Engineering</td>
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### Elective

- ENG 1011 Introduction to Engineering - EAL

### Double Degree Courses

- ACCTING 1002 Introductory Accounting
- ECON 1009 International Financial Institutions and Markets
- CEME 2004 Introduction to Geo-Engineering
- CEME 2005 Transportation Engineering & Surveying
- CORPFIN 1002 Business Finance
- CEME 3006 Geotechnical Engineering

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

## 2022 Study Plan

### Semester 1 Start

### CHOOSE FROM THE FOLLOWING CIVIL ENGINEERING ELECTIVES

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<td>Integrated Environment Planning and Impact Assessment</td>
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<td>Wind and Earthquake Engineering</td>
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<tr>
<td></td>
<td>Advanced Hydrology and Flood Hydraulics</td>
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<td></td>
<td>Decision Making for Sustainable Solutions</td>
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<td></td>
<td>Designing Water Resource Systems for Urban Environments</td>
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<tr>
<th>SUM</th>
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<tbody>
<tr>
<td>CEME 4005</td>
<td>Integrated Natural Hazard Risk Management</td>
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### CHOOSE FROM THE FOLLOWING FINANCE AND BANKING ELECTIVES

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<tr>
<th>S1</th>
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<td>Corporate Regulations and Ethics in Finance</td>
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## 2022 Study Plan

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

#### Semester 1 Start

**Structural Engineering Major**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Core Courses</th>
<th>Major Courses</th>
<th>Elective</th>
<th>Double Degree Courses</th>
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<tbody>
<tr>
<td>S 1</td>
<td>MATHS 1011 Mathematics IA</td>
<td>□ CEME 1004 Engineering Mechanics - Statics</td>
<td>□ ENG 1003 Programming (Matlab and Excel)</td>
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</tr>
<tr>
<td>S 2</td>
<td>MATHS 1012 Mathematics IB</td>
<td>□ CEME 1002 Introduction to Infrastructure</td>
<td>□ ^ ENG 1001 Introduction to Engineering</td>
<td>□ ACCTING 1002 Introductory Accounting</td>
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<thead>
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<th>Core Courses</th>
<th>Major Courses</th>
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<th>Double Degree Courses</th>
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<td>S 1</td>
<td>MATHS 2106 Differential Equations for Engineers II</td>
<td>□ CEME 2001 Strength of Materials</td>
<td>□ CEME 2003 Civil Engineering Hydraulics</td>
<td>□ CEME 2004 Introduction to Geo-engineering</td>
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<thead>
<tr>
<th>Year 3</th>
<th>Core Courses</th>
<th>Major Courses</th>
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<th>Double Degree Courses</th>
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<td>ENG 3004 Systems Engineering and Industry Practice</td>
<td>□ CEME 3001 Computer Analysis of Structures and Structural Dynamics</td>
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<td>S 2</td>
<td>ENG 3005 Research Method &amp; Project Management</td>
<td>□ CEME 3003 Structural Steel Design</td>
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<th>Elective</th>
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<tbody>
<tr>
<td>S 1</td>
<td>ENG 4001A Research Project Part A</td>
<td>□ CEME 3004 Hydrology for Engineers</td>
<td>□ ECON 1012 Principles of Economics I</td>
<td>□ CORPFIN 2501 Financial Institutions Management</td>
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<tr>
<td>S 2</td>
<td>ENG 4001B Research Project Part B</td>
<td>□ CORPFIN 2504 Options, Futures &amp; Risk Management</td>
<td>□ CORPFIN 2502 Business Valuation</td>
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<tbody>
<tr>
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<td>CEME 4001 Advanced Reinforced Concrete Design</td>
<td>□ CEME 4002 Finite Element Theory and Practice</td>
<td>□ CORPFIN 3501 Portfolio Theory &amp; Management</td>
<td>□ ECON 3511 Money, Banking and Financial Markets III</td>
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<tr>
<td>S 2</td>
<td>CEME 4003 Wind and Earthquake Engineering</td>
<td>□ CEME 4050 Design Practice</td>
<td>□ MATHS 3012 Financial Modelling: Tools &amp; Techniques III</td>
<td>□ Finance and Banking Elective (see elective table)</td>
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</tbody>
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# Bachelor of Engineering (Honours) (Civil) with Bachelor of Finance and Banking

## 2022 Study Plan

### Semester 1 Start

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

### CHOOSING FROM THE FOLLOWING LEVEL 1 ENGINEERING ELECTIVES

<table>
<thead>
<tr>
<th>S1</th>
<th>CEME 1001</th>
<th>CHEM ENG 1007</th>
<th>ELEC ENG 1101</th>
<th>Introduction to Environmental Engineering</th>
<th>Introduction to Process Engineering</th>
<th>Electronic Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td>CEME 1003</td>
<td>CONMGT 1000</td>
<td>CONMGT 1001</td>
<td>Resources and Energy in a Circular Economy</td>
<td>Civil Engineering Construction Materials</td>
<td>Construction Estimation and Surveying</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MECH ENG 1007</td>
<td>Engineering Mechanics - Dynamics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### CHOOSING FROM THE FOLLOWING FINANCE AND BANKING ELECTIVES

<table>
<thead>
<tr>
<th>S1</th>
<th>CORPFIN 3507</th>
<th>ECON 3506</th>
<th>Topics in Corporate Finance</th>
<th>International Trade III</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td>CORPFIN 3505</td>
<td>CORPFIN 3506</td>
<td>ECON 3510</td>
<td>Corporate Regulations and Ethics in Finance</td>
</tr>
</tbody>
</table>

### NOTES

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

Semester 1 Start

Water Systems Major

<table>
<thead>
<tr>
<th>Year 1</th>
<th>MATHS 1011</th>
<th>CEME 1004</th>
<th>ENG 1003</th>
<th>Level 1 Engineering Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>S 1</td>
<td>Mathematics IA</td>
<td>Engineering Mechanics - Statics</td>
<td>Programming (Matlab and Excel)</td>
<td>(see elective table)</td>
</tr>
<tr>
<td>S 2</td>
<td>MATHS 1012</td>
<td>CEME 1002</td>
<td>ENG 1001</td>
<td>ACCTING 1002 Introductory Accounting</td>
</tr>
<tr>
<td></td>
<td>Mathematics IB</td>
<td>Introduction to Infrastructure</td>
<td>Introduction to Engineering</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>MATHS 2106</th>
<th>CEME 2001</th>
<th>CEME 2003</th>
<th>CEME 2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>S 1</td>
<td>Differential Equations for Engineers II</td>
<td>Strength of Materials</td>
<td>Civil Engineering Hydraulics</td>
<td>Introduction to Geo-Engineering</td>
</tr>
<tr>
<td>S 2</td>
<td>MATHS 2107</td>
<td>CEME 2002</td>
<td>CEME 2005</td>
<td>CORPFIN 1002 Business Finance</td>
</tr>
<tr>
<td></td>
<td>Statistics &amp; Numerical Methods II</td>
<td>Structural Mechanics</td>
<td>Transportation Engineering &amp; Surveying</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3</th>
<th>ENG 3004</th>
<th>CEME 3001</th>
<th>CEME 3002</th>
<th>ECON 1009</th>
</tr>
</thead>
<tbody>
<tr>
<td>S 1</td>
<td>Systems Engineering and Industry Practice</td>
<td>Computer Analysis of Structures and Structural Dynamics</td>
<td>Reinforced Concrete Design</td>
<td>International Financial Institutions and Markets</td>
</tr>
<tr>
<td>S 2</td>
<td>ENG 3005</td>
<td>CEME 3003</td>
<td>CEME 3005</td>
<td>CEME 3006</td>
</tr>
<tr>
<td></td>
<td>Research Method &amp; Project Management</td>
<td>Structural Steel Design</td>
<td>Advanced Civil Engineering Hydraulics</td>
<td>Geotechnical Engineering</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Internship</th>
<th>CEME 4005</th>
<th>CEME 3004</th>
<th>CEME 1012</th>
<th>CORPFIN 2501</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Integrated Natural Hazard Risk Management</td>
<td>Hydrology for Engineers</td>
<td>Principles of Economics I</td>
<td>Financial Institutions Management</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 4</th>
<th>ENG 4001A</th>
<th>CEME 4004</th>
<th>ECON 1012</th>
<th>CORPFIN 2502</th>
</tr>
</thead>
<tbody>
<tr>
<td>S 1</td>
<td>Research Project Part A</td>
<td>Hydrology for Engineers</td>
<td>Principles of Economics I</td>
<td>Financial Institutions Management</td>
</tr>
<tr>
<td>S 2</td>
<td>ENG 4001B</td>
<td>CEME 4050</td>
<td>ECON 2508</td>
<td>CORPFIN 2502</td>
</tr>
<tr>
<td></td>
<td>Research Project Part B</td>
<td>Design Practice</td>
<td>Financial Economics</td>
<td>Business Valuation</td>
</tr>
</tbody>
</table>

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

## 2022 Study Plan

### Semester 1 Start

<table>
<thead>
<tr>
<th>Year 5</th>
<th>Core Courses</th>
<th>Major Courses</th>
<th>Elective</th>
<th>Double Degree Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>CORPFIN 3501 Portfolio Theory &amp; Management</td>
<td>CORPFIN 2504 Options, Futures &amp; Risk Management</td>
<td>ECON 3511 Money, Banking and Financial Markets III</td>
<td></td>
</tr>
<tr>
<td>S2</td>
<td>CEME 4006 Advanced Hydrology and Flood Hydraulics</td>
<td>CEME 4008 Soil and Ground Water Remediation</td>
<td>MATHS 3012 Financial Modelling: Tools &amp; Techniques III</td>
<td>Finance and Banking Elective (see elective table)</td>
</tr>
</tbody>
</table>

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

## Core Courses

**S1**
- CORPFIN 3501 Portfolio Theory & Management
- CEME 4006 Advanced Hydrology and Flood Hydraulics

**S2**
- CEME 4008 Soil and Ground Water Remediation

## Major Courses

**S1**
- CORPFIN 2504 Options, Futures & Risk Management
- ECON 3511 Money, Banking and Financial Markets III

**S2**
- MATHS 3012 Financial Modelling: Tools & Techniques III

## Elective

- Finance and Banking Elective (see elective table)

## Double Degree Courses

- Finance and Banking Elective (see elective table)

### CHOOSE FROM THE FOLLOWING LEVEL 1 ENGINEERING ELECTIVES

**S1**
- CEME 1001
- CHEM ENG 1007
- ELEC ENG 1101

**S2**
- Introduction to Environmental Engineering
- Introduction to Process Engineering
- Electronic Systems

### CHOOSE FROM THE FOLLOWING FINANCE AND BANKING ELECTIVES

**S1**
- CORPFIN 3507
- ECON 3506

**S2**
- Topics in Corporate Finance
- International Trade III

**S1**
- CEME 1003
- CONMGNT 1000
- CONMGNT 1001
- MECH ENG 1007

**S2**
- Resources and Energy in a Circular Economy
- Civil Engineering Construction Materials
- Construction Estimation and Surveying
- Engineering Mechanics - Dynamics

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