### BEng in Civil Engineering

#### Major Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Department</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIVL 1001</td>
<td>Engineering Mathematics</td>
<td>MATH</td>
<td>3</td>
</tr>
<tr>
<td>CIVL 1002</td>
<td>Engineering Physics</td>
<td>PHYS</td>
<td>3</td>
</tr>
<tr>
<td>CIVL 1013</td>
<td>Calculus</td>
<td>MATH</td>
<td>3</td>
</tr>
<tr>
<td>CIVL 1023</td>
<td>Calculus II</td>
<td>MATH</td>
<td>3</td>
</tr>
<tr>
<td>CIVL 2001</td>
<td>Mechanics of Solids</td>
<td>CIVL</td>
<td>3</td>
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<tr>
<td>CIVL 2002</td>
<td>Fluid Mechanics</td>
<td>CIVL</td>
<td>3</td>
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<tr>
<td>CIVL 2003</td>
<td>Mechanics of Materials</td>
<td>CIVL</td>
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<tr>
<td>CIVL 2004</td>
<td>Probability and Statistics for Engineers</td>
<td>COMP</td>
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<tr>
<td>CIVL 2005</td>
<td>Geotechnical Engineering</td>
<td>CIVL</td>
<td>3</td>
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<tr>
<td>CIVL 2006</td>
<td>Transportation Engineering</td>
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<tr>
<td>CIVL 2007</td>
<td>Transportation Engineering Seminar</td>
<td>CIVL</td>
<td>2</td>
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<tr>
<td>CIVL 2008</td>
<td>Transportation Engineering</td>
<td>CIVL</td>
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<tr>
<td>CIVL 2009</td>
<td>Transportation Engineering Seminar</td>
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<td>CIVL 2010</td>
<td>Transportation Engineering Seminar</td>
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#### Additional Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIVL 2101</td>
<td>Civil Engineering Seminar</td>
<td>CIVL</td>
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<tr>
<td>CIVL 2102</td>
<td>Civil Engineering Seminar</td>
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<tr>
<td>CIVL 2103</td>
<td>Civil Engineering Seminar</td>
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<tr>
<td>CIVL 2104</td>
<td>Civil Engineering Seminar</td>
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<td>CIVL 2105</td>
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<td>CIVL 2106</td>
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<td>Civil Engineering Seminar</td>
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<tr>
<td>CIVL 2110</td>
<td>Civil Engineering Seminar</td>
<td>CIVL</td>
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</table>

**Notes:**
- This course differs by department: arg4004/cIVL4004
- ****Courses offered in summer term
- ^Courses offered in winter term

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### School of Business Management

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Department</th>
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</thead>
<tbody>
<tr>
<td>ECON 1001</td>
<td>Principles of Microeconomics</td>
<td>ECON</td>
</tr>
<tr>
<td>ECON 1002</td>
<td>Principles of Macroeconomics</td>
<td>ECON</td>
</tr>
<tr>
<td>ECON 2103</td>
<td>Principles of Microeconomics</td>
<td>ECON</td>
</tr>
<tr>
<td>ECON 2113</td>
<td>Principles of Macroeconomics</td>
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<tr>
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<th>Department</th>
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<tbody>
<tr>
<td>MATH 1001</td>
<td>Calculus</td>
<td>MATH</td>
</tr>
<tr>
<td>MATH 1002</td>
<td>Calculus II</td>
<td>MATH</td>
</tr>
<tr>
<td>MATH 1013</td>
<td>Calculus III</td>
<td>MATH</td>
</tr>
<tr>
<td>MATH 1023</td>
<td>Calculus IV</td>
<td>MATH</td>
</tr>
<tr>
<td>COMP 1021</td>
<td>Introduction to Computing with Java</td>
<td>COMP</td>
</tr>
<tr>
<td>COMP 1022P</td>
<td>Introduction to Computing with Java</td>
<td>COMP</td>
</tr>
<tr>
<td>COMP 1022Q</td>
<td>Introduction to Computing with Java</td>
<td>COMP</td>
</tr>
</tbody>
</table>

**Total Credits:** 120

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### CIGBM - 2015-16 Intake

#### Declaration of Major

- Major Requirement: 90 credits
- Core Requirements: 18 credits
- Elective Requirements: 30 credits
- Laboratory: 12 credits
- Total Credits: 138

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**Notes:**
- **CORE**
- **MATH**
- **LABU**
- **SBMT**
- **ISOM**
- **ECON**
- **CIVL**
- **PHYS**
- **CHEM**
- **COMP**
- **LANG**

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**Scheduling, students should check it out from respective School and Department.

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**Remarks:**
- **DDP** students should take MATH 1014 instead of MATH 1015, and MATH 1024 instead of MATH 1025.
- **CIGBM** students may substitute MATH 1013 with MATH 2013.
- All BBA in General Business Management students are required to take MATH 1014.
- All CIGBM students are required to take MATH 1013.
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