### Engineering Fundamentals Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>C0MP 6201</td>
<td>Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>C0MP 6202</td>
<td>Introduction to Computing with Java</td>
<td>3</td>
</tr>
<tr>
<td>C0MP 6211</td>
<td>Programming with C++</td>
<td>4</td>
</tr>
<tr>
<td>C0MP 6200</td>
<td>Industrial Engineering</td>
<td>3</td>
</tr>
<tr>
<td>C0MB 3110</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>C0MB 3120</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>C0YS 1112</td>
<td>General Physics I and Calculus</td>
<td>3</td>
</tr>
<tr>
<td>C0YS 3120</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>ENGG 1001</td>
<td>Structural Mechanics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3112</td>
<td>Calculus I</td>
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<tr>
<td>MATH 3113</td>
<td>Calculus II</td>
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<tr>
<td>MATH 3114</td>
<td>Calculus III</td>
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<td>MATH 3120</td>
<td>Advanced Calculus I</td>
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<td>MATH 3122</td>
<td>Advanced Calculus II</td>
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<tr>
<td>MATH 3124</td>
<td>Advanced Calculus III</td>
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<tr>
<td>MATH 3125</td>
<td>Introduction to Mathematical Statistics</td>
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<tr>
<td>MATH 2111</td>
<td>Undergraduate Calculus I</td>
<td>3</td>
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</tbody>
</table>

### Additional Requirements

- **Engineering Seminar Series**
- **Technology and Management Professional Activities**
- **Effective Communication in Business**
- **Operations Research II**
- **Probability for Engineers**
- **Introduction to Multivariable Calculus**
- **Business Case Analyses**
- **Case-based Problem Solving**
- **Engineering Economics and Accounting**
- **Management Information Systems**
- **Industrial Engineering and Engineering Management Final Year Project**
- **Industrial Experience**
- **Industrial Training**
- **Mathematics Electives (Courses from the specified 21 courses offered by the departments under SB&M, of which at least 6 credits should be taken from MATH, ISOM, FINA or ECON)**

### Required credits for School Requirements

- **ACCT**
- **ACCT 2590 Principles of Accounting I**
- **ACCT 2595 Principles of Accounting II**
- **ACCC 2510 Honors Calculus III OR ACCC 2511 Honors Calculus IV**
- **ACCC 2512 Principles of Microeconomics**
- **ACCC 2513 Principles of Macroeconomics**
- **ACCO 2520 Financial Management**
- **ACCO 2590 Introduction to Information Systems**
- **ACIS 2510 Computer Business**
- **ACSM 2500 Business Statistics**
- **ACSM 2506 Introduction to Business Analysis**
- **ACSM 2507 Operations Management**
- **ACSM 2508 Managing for Business Success**
- **ACSM 2510 Strategic Environ Management**
- **ACSM 2511 Business Ethics and Social Responsibility**
- **ACST 2591 Introduction to Information Systems**
- **ACST 2595 Principles of Accounting**
- **ACST 2599 Technology and Management Professional Activities**
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- **ACST 2599 Technology and Management Professional Activities**
- **ACST 2599 Technology and Management Professional Activities**
- **MATH 2000 Calculus I**
- **MATH 2001 Calculus II**
- **MATH 2002 Calculus III**
- **MATH 2003 Calculus IV**
- **MATH 2004 Calculus V**
- **MATH 2005 Calculus VI**
- **MATH 2006 Calculus VII**
- **MATH 2007 Calculus VIII**
- **MATH 2008 Calculus IX**
- **MATH 2009 Calculus X**
- **MATH 2010 Calculus XI**
- **MATH 2011 Calculus XII**
- **MATH 2012 Calculus XIII**
- **MATH 2013 Calculus XIV**
- **MATH 2014 Calculus XV**
- **MATH 2015 Calculus XVI**
- **MATH 2016 Calculus XVII**
- **MATH 2017 Calculus XVIII**
- **MATH 2018 Calculus XIX**
- **MATH 2019 Calculus XX**
- **MATH 2020 Calculus XXI**
- **MATH 2021 Calculus XXII**

### Required credits for Additional Requirements

- **ACCT**
- **ACCT 3590**
- **ACCT 3595**
- **ACCC 3510 Honors Calculus III OR ACCC 3511 Honors Calculus IV**
- **ACCC 3512 Principles of Microeconomics**
- **ACCC 3513 Principles of Macroeconomics**
- **ACCO 3520 Financial Management**
- **ACCO 3590 Introduction to Information Systems**
- **ACIS 3510 Computer Business**
- **ACSM 3500 Business Statistics**
- **ACSM 3506 Introduction to Business Analysis**
- **ACSM 3507 Operations Management**
- **ACSM 3508 Managing for Business Success**
- **ACSM 3510 Strategic Environ Management**
- **ACSM 3511 Business Ethics and Social Responsibility**
- **ACST 3591 Introduction to Information Systems**
- **ACST 3595 Principles of Accounting**
- **ACST 3599 Technology and Management Professional Activities**
- **ACST 3599 Technology and Management Professional Activities**
- **ACST 3599 Technology and Management Professional Activities**
- **ACST 3599 Technology and Management Professional Activities**
- **MATH 3000 Calculus I**
- **MATH 3001 Calculus II**
- **MATH 3002 Calculus III**
- **MATH 3003 Calculus IV**
- **MATH 3004 Calculus V**
- **MATH 3005 Calculus VI**
- **MATH 3006 Calculus VII**
- **MATH 3007 Calculus VIII**
- **MATH 3008 Calculus IX**
- **MATH 3009 Calculus X**
- **MATH 3010 Calculus XI**
- **MATH 3011 Calculus XII**
- **MATH 3012 Calculus XIII**
- **MATH 3013 Calculus XIV**
- **MATH 3014 Calculus XV**
- **MATH 3015 Calculus XVI**
- **MATH 3016 Calculus XVII**
- **MATH 3017 Calculus XVIII**
- **MATH 3018 Calculus XIX**
- **MATH 3019 Calculus XX**
- **MATH 3020 Calculus XXI**
- **MATH 3021 Calculus XXII**

### Required credits for BBA in General Business Management

- **ACCT**
- **ACCT 2590 Principles of Accounting I**
- **ACCT 2595 Principles of Accounting II**
- **ACCC 2510 Honors Calculus III OR ACCC 2511 Honors Calculus IV**
- **ACCC 2512 Principles of Microeconomics**
- **ACCC 2513 Principles of Macroeconomics**
- **ACCO 2520 Financial Management**
- **ACCO 2590 Introduction to Information Systems**
- **ACIS 2510 Computer Business**
- **ACSM 2500 Business Statistics**
- **ACSM 2506 Introduction to Business Analysis**
- **ACSM 2507 Operations Management**
- **ACSM 2508 Managing for Business Success**
- **ACSM 2510 Strategic Environ Management**
- **ACSM 2511 Business Ethics and Social Responsibility**
- **ACST 2591 Introduction to Information Systems**
- **ACST 2595 Principles of Accounting**
- **ACST 2599 Technology and Management Professional Activities**
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- **ACST 3591 Introduction to Information Systems**
- **ACST 3595 Principles of Accounting**
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- **MATH 2017 Calculus XVIII**
- **MATH 2018 Calculus XIX**
- **MATH 2019 Calculus XX**
- **MATH 2020 Calculus XXI**
- **MATH 2021 Calculus XXII**

### Notes

1. Italic indicates the same course to fulfill more than one requirement.
2. Courses offered in summer term.
3. Substituted by ISOM 2010 or ISOM 2011 or ISOM 2012 or ISOM 2013.
4. Substituted by ISDA 3250.
5. Substituted by ISDA 3255.
6. Substituted by ISDA 3256.
7. Students should consult their respective School and Department.