### BEng in Chemical and Biomedical Engineering

**Major Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Year</th>
<th>Term</th>
<th>Required credits for Major Requirements Courses and Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 1000</td>
<td>Chemical and Biomolecular Engineering Project</td>
<td>3</td>
<td>4</td>
<td>Fall</td>
<td>36</td>
</tr>
<tr>
<td>CENG 2010</td>
<td>General Business Management</td>
<td>3</td>
<td>1</td>
<td>Fall</td>
<td>29</td>
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<tr>
<td>CENG 2040</td>
<td>Chemical and Biological Engineering</td>
<td>3</td>
<td>1</td>
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<td>CENG 3007</td>
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<td>Fall</td>
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<td>CENG 3103</td>
<td>Process Principles</td>
<td>3</td>
<td>2</td>
<td>Spring</td>
<td>29</td>
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<td>CENG 3123</td>
<td>Chemical and Biomedical Engineering Project</td>
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<td>3</td>
<td>Fall</td>
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<td>CENG 3230</td>
<td>General Business Management</td>
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<tr>
<td>CENG 3323</td>
<td>Systems and Process Engineering I</td>
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<td>4</td>
<td>Fall</td>
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<td>CENG 3355</td>
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<td>CENG 2113</td>
<td>Introduction to Modern Chemistry</td>
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<td>CENG 2103</td>
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<td>Spring</td>
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<tr>
<td>CENG 2113</td>
<td>Introduction to Modern Chemistry</td>
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<tr>
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<td>CENG 4007</td>
<td>Advanced Chemical and Biomedical Engineering</td>
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<td>Business Case Analyses</td>
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<td>Business Case Analyses</td>
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<td>Fall</td>
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<td>BBA 4113</td>
<td>Business Case Analyses</td>
<td>3</td>
<td>4</td>
<td>Spring</td>
<td>29</td>
</tr>
</tbody>
</table>

**Required credits for School Requirements**: 114

**Required credits for Major Required Courses and Electives**: 126

**Additional Requirements**

**Requirements for Dual Degree Program**

- **School of Engineering**
  - CENG 2010: General Business Management
  - CENG 2040: Chemical and Biological Engineering

- **University CORE**
  - CENG 1000: Chemical and Biomolecular Engineering Project
  - CENG 2010: General Business Management
  - CENG 2040: Chemical and Biological Engineering

**Sub-total for University CORE**: 46

### Notes

- The content of the example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalog or Curricula mandates for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it on their respective School and Department.

**Remarks on course(s):**

- **CORE**
  - MATH1003: Honors Calculus I
  - MATH1012: Honors Calculus II
  - MATH1013: Honors Calculus III
  - MATH1020: Honors Calculus IV
  - MATH1023: Honors Calculus V
  - FINA4001: Business Finance
  - ECON1011: Principles of Microeconomics
  - ECON1012: Principles of Microeconomics
  - ECON2011: Microeconomics
  - ECON2012: Microeconomics
  - ECON3011: Microeconomics
  - ECON3012: Microeconomics
  - ENGG1001: Introduction to Information Systems
  - ENGG1002: Introduction to Information Systems
  - COMP1021: Introduction to Computer Science
  - COMP1022P: Introduction to Computer Science
  - COMP1022Q: Introduction to Computer Science
  - COMP2011: Introduction to Computer Science

- **MATH**
  - MATH1001: Calculus I
  - MATH1002: Calculus II
  - MATH1011: Calculus III
  - MATH1012: Calculus IV
  - MATH1013: Calculus V
  - MATH1014: Calculus VI
  - MATH1020: Calculus VII
  - MATH1023: Calculus VIII

- **LANG**
  - LANG1001: English Language
  - LANG1002: English Language
  - LANG1003: English Language
  - LANG1004: English Language
  - LANG1005: English Language
  - LANG1006: English Language

- **CENG**
  - CENG1000: Chemical and Biomolecular Engineering Project
  - CENG2010: General Business Management
  - CENG2040: Chemical and Biological Engineering
  - CENG3007: Engineering Thermodynamics
  - CENG3103: Process Principles
  - CENG3123: Chemical and Biomedical Engineering Project
  - CENG3230: General Business Management
  - CENG3323: Systems and Process Engineering I
  - CENG3355: Engineering Thermodynamics
  - CENG4007: Advanced Chemical and Biomedical Engineering
  - CENG4123: General Business Management
  - CENG4323: Systems and Process Engineering II
  - CENG4355: Engineering Thermodynamics

- **BBA**
  - BBA3123: Business Case Analyses
  - BBA3113: Business Case Analyses
  - BBA4123: Business Case Analyses
  - BBA4113: Business Case Analyses

- **SENG**
  - SENG1001: General Physics I
  - SENG1002: General Physics II
  - SENG1003: General Physics III
  - SENG1004: General Physics IV
  - SENG1005: General Physics V
  - SENG1006: General Physics VI

- **PHYS**
  - PHYS1001: General Physics I
  - PHYS1002: General Physics II
  - PHYS1003: General Physics III
  - PHYS1004: General Physics IV
  - PHYS1005: General Physics V
  - PHYS1006: General Physics VI

- **CHEM**
  - CHEM1001: General Chemistry I
  - CHEM1002: General Chemistry II
  - CHEM1003: General Chemistry III
  - CHEM1004: General Chemistry IV
  - CHEM1005: General Chemistry V
  - CHEM1006: General Chemistry VI

- **ENGG**
  - ENGG1001: Introduction to Information Systems
  - ENGG1002: Introduction to Information Systems
  - ENGG1003: Introduction to Information Systems
  - ENGG1004: Introduction to Information Systems
  - ENGG1005: Introduction to Information Systems
  - ENGG1006: Introduction to Information Systems

- **COMP**
  - COMP1021: Introduction to Computer Science
  - COMP1022P: Introduction to Computer Science
  - COMP1022Q: Introduction to Computer Science
  - COMP2011: Introduction to Computer Science

### Remarks

- **Notes:**
  - 1 Indicates the reuse of the same course to fulfill more than one requirement.
  - Courses offered in Winter term.
  - Courses offered in Summer term.

- **Background:**
  - Students who wish to pursue BBA degrees should complete all requirements as specified by DSCP.