### BEng in Computer Science

#### Major Requirements

**Engineering Fundamental Courses**

- **COMP1021**: Introduction to Computer Science 3
- **COMP1022P**: Introduction to Computing with Java 4
- **COMP2611**: Computer Organization 4
- **COMP3711H**: Honors Software Engineering 4
- **COMP3711**: Software Engineering 4
- **COMP3111**: Honors Discrete Mathematical Tools for Computer Science 4
- **COMP4910**: Honors Object-Oriented Programming and Data Structures 4
- **COMP4981**: Honors Probability 4

**Required credits for Engineering Fundamental Courses**: 15

**Major Required Courses and Electives**

- **COMP1022Q**: Honors Probability to fulfill this requirement. This course will also be used to fulfill the Major Requirement of 15 credits.
- **MATH2113**: Calculus II 3
- **MATH2103**: Calculus I 3
- **MATH2105**: Honors Calculus I 3
- **MATH2540**: Honors Calculus II 3
- **MATH4900**: Honors Advanced Calculus 4
- **MATH4910**: Honors Differential Equations 4

**Required credits for Major Requirements Courses and Electives**: 36

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### BBA in General Business Management

#### School Requirements

- **MGMT**: Principles of Accounting I 3
- **MGMT**: Principles of Accounting II 3

**Required credits for School Requirements**: 6

#### Major Requirements

**Major Required Courses and Electives**

- **MGMT**: Principles of Accounting I 3
- **MGMT**: Principles of Accounting II 3
- **MGMT**: Financial Management 3
- **MGMT**: Business Ethics and Social Responsibility 4
- **MGMT**: Business Law 4
- **MGMT**: Business Economic Analysis 4
- **MGMT**: Business Strategy 4
- **MGMT**: Business Data Analytics 4
- **MGMT**: Business Case Analyses 3
- **MGMT**: Business Communication in Business 3

**Required credits for Major Requirements Courses and Electives**: 24

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### Additional Requirements

**Requirements for Dual Degree Program**

**Required credits for Additional Requirements**: 2

**University CORE**

- **ENG**: English 3
- **ECON**: Economics 3
- **LANG**: English Literature 3
- **HUM**: Humanities 4
- **SOC**: Sociology 4
- **S&B**: Social Science 4
- **BBA**: Business Administration 4
- **MGMT**: Business Administration 4
- **MGMT**: Business Administration 4
- **MGMT**: Business Administration 4

**Sub-total for University CORE**: 18

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### Notes:

- (*) indicates the reuse of the same course to fulfill more than one requirement.
- (**) denotes the course requirement to either select or substitute.
- (#) To graduate, students should complete all requirements as specified for DDP.
- (*) indicates the reuse of the same course to fulfill more than one requirement.

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The Hong Kong University of Science and Technology Interdisciplinary Programs Office

An Example on Student's Pathway

**Program**: Dual Degree Program (BEng in Computer Science and BBA in General Business Management)

**School**: School of Engineering and School of Business Management

**Student's Pathway**:

<table>
<thead>
<tr>
<th>Course Code</th>
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**Required credits for Major Requirements Courses and Electives**: 36

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**Required credits for Engineering Fundamental Courses**: 15

**Required credits for Major Requirements Courses and Electives**: 36

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**Required credits for School Requirements**: 6

**Required credits for Major Requirements Courses and Electives**: 24

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**Required credits for Additional Requirements**: 2

**Required credits for University CORE**: 18