## Interdisciplinary Programs Office
### An Example on Student's Pathway (As of Summer 2019-20)

#### BEng in Industrial Engineering and Engineering Management

- **Major Requirements**
  - **Engineering Fundamental Courses**
    - C2010: Microeconomics
    - C2011: Principles of Microeconomics
    - IEDA2010: Engineering Management
    - IEDA2300: Design of Logistics and Manufacturing Systems
    - IEDA3010: Operations Research I
    - MATH2211: Calculus A
    - MATH2212: Calculus B
    - MATH2213: Calculus C
    - PHYS2211: General Physics I
    - PHYS2212: General Physics II
  - **Major Required Courses and Electives**
    - MATH3020: Linear Algebra
    - MATH3030: Numerical Methods
    - MATH3040: Real Analysis
    - MATH3050: Complex Analysis
    - MATH3060: Partial Differential Equations
    - MATH3070: Introduction to Information Systems
    - MATH3080: Operations Research
    - MATH3090: Decision Analysis
    - MATH3100: Project Management
    - MATH3110: Advanced Business Management
    - MATH3120: Engineering Management
    - MATH3130: Advanced Business Management
    - MATH3140: Project Management
  - **Required Credits for Engineering Fundamental Courses**
    - MATH: 12
    - MGMT: 9
    - LABU: 8
    - ISOM: 8
    - ECON: 6
    - ENGG: 5
    - COMP: 5
    - IEDA/CENG/ELEC: 5
    - SBMT: 4
    - PHYS: 3
    - MATH: 3
    - CHEM/PHYS: 2
    - CHEM: 1
    - ENGG: 1

#### BBA in General Business Management

- **School Requirements**
  - **Required Courses**
    - BUSA 1010: Principles of Accounting I
    - BUSA 1020: Principles of Accounting II
    - BUSA 1030: Financial Management
    - BUSA 1040: Business Ethics and the Individual
    - BUSA 1050: Marketing Management
    - BUSA 1060: Organizational Behavior
    - BUSA 1070: Effective Communication in Business
    - BUSA 1080: Business Statistics
    - BUSA 1090: Management and BBA in General Business Management

#### Additional Requirements

- **Requirements for Dual Degree Program**
  - **Major Requirements**
    - MATH: 12
    - MGMT: 9
    - LABU: 8
    - ISOM: 8
    - ECON: 6
    - ENGG: 5
    - COMP: 5
    - IEDA/CENG/ELEC: 5
    - SBMT: 4
    - PHYS: 3
    - MATH: 3
    - CHEM/PHYS: 2
    - CHEM: 1
    - ENGG: 1

- **University CORE**
  - BUSA 1010: Principles of Accounting I
  - BUSA 1020: Principles of Accounting II
  - BUSA 1030: Financial Management
  - BUSA 1040: Business Ethics and the Individual
  - BUSA 1050: Marketing Management
  - BUSA 1060: Organizational Behavior
  - BUSA 1070: Effective Communication in Business
  - BUSA 1080: Business Statistics

Notes:
- * indicates the course that satisfies one of the major requirements of both BEng and BBA in General Business Management.
- ** indicates the course that satisfies one of the major requirements of both BEng and BBA in General Business Management.
- To graduate, students should complete all requirements as specified in the program.

**Declaration of major**

**Statement for University Core**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 1010</td>
<td>Principles of Accounting I</td>
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**Remarks**

- "= This course is subject to approval.
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- Exceptions to the curriculum requirements are either waived or substituted.
- To graduate, students should complete all requirements as specified in the program.
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