### Major Requirements

#### Engineering Fundamental Courses

- **ECON 2011 Introduction to Economics**
- **MATH 2040 Calculus**
- **MATH 2101 Calculus IA**
- **MATH 2140 Calculus IB**
- **MATH 2200 Calculus II**
- **MATH 2311 Matrix Algebra and Applications**
- **MATH 2350 Applied Linear Algebra**
- **MATH 2351 Applied Linear Algebra**
- **MATH 2800 Calculus III**
- **MATH 2811 Optimization**
- **MATH 2820 Linear Algebra and Applications**

#### BBA in Management

- **MGMT 2110 Organizational Behavior**
- **MGMT 2130 Business Ethics and Social Responsibility**
- **MGMT 2210 Business Ethics and the Individual**
- **MGMT 2310 Corporate Strategy**
- **MGMT 4210 Business Strategy**
- **MGMT 4220 Business Strategy**

#### Additional Requirements

- **ISOM 2500 Business Statistics**
- **CORE C1 & C2 U CORE - English Language**
- **CORE C3 - C9 U CORE - Others**

#### Required credits for Engineering Fundamental Courses

- **13 credits**

#### Required credits for Major Requirements Courses and Electives

- **31 credits**

#### Required credits for School Requirements

- **13 credits**

### Requirements for Dual Degree Program

#### Additional Requirements

- **INF 2313 IS Professional Practices**
- **ENGG 2010 Engineering Seminar Series**
- **MECH 3907 Mechatronic Design and Prototyping**
- **MECH 3630 Electrical Technology**
- **MECH 3610 Control Principles**
- **MECH 3310 Heat Transfer**
- **MECH 3030 Mechanisms of Machinery**
- **MECH 2410 Engineering Materials I**
- **MECH 2210 Fluid Mechanics**
- **MECH 2040 Solid Mechanics I**
- **MECH 2020 Statics and Dynamics**
- **MECH 1906 Mechanical Engineering for Modern Life**
- **PHYS 2111 Mechanics**
- **PHYS 2113 Energy Conversion**
- **PHYS 2103 General Physics I with Calculus**
- **PHYS 2130 General Physics II with Calculus**

#### Core Courses

- **MATH 1020 Accelerated Calculus**
- **MATH 1014 Applied Linear Algebra and Differential Equations**
- **MATH 1013 Matrix Algebra and Applications**
- **MATH 1023 Matrix Algebra and Applications**
- **MATH 1024 Matrix Algebra and Applications**
- **MATH 1012 Matrix Algebra and Applications**
- **MATH 1011 Matrix Algebra and Applications**
- **MATH 1010 Matrix Algebra and Applications**

#### Required credits for Major Required Courses and Electives

- **32 credits**

#### Required credits for School Requirements

- **13 credits**

#### Required credits for Additional Requirements

- **2 credits**

#### Interdisciplinary Programs Office

- **BEng major**
- **BBA major**

#### Notes

- (course code prefix)
- Offering Dept.
- Program: Dual Degree Program (BEng in Mechanical Engineering and BBA in Management)
- **Remarks on course(s):**
  - **---** denotes the course/requirement is either waived or substituted
  - **^** Courses offered in summer term
  - **( )** indicates the reuse of the same course to fulfill more than one requirement.
  - **Note:** MATH2111 OR MATH2350 OR MATH2351
  - **Note:** MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140)
  - **Note:** MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the CSR Option must take MGMT 4220)
  - **Note:** COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H
  - **Note:** COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H

#### Remarks on mandatory

- **3123**
- **2123**
- **3300**
- **2103**
- **2350**
- **2111**
- **2113**
- **2140**
- **2800**
- **2811**
- **2820**
- **3950**
- **1101**
- **1020**
- **1901**
- **1024**
- **1023**
- **1014**
- **1013**
- **1012**
- **1003**
- **1001**
- **1112**
- **1300**
- **1905**
- **1903**
- **1902**
- **1904**
- **1906**

#### Core Courses

- **BBA in Management**
- **ECON 2011 Introduction to Economics**
- **MATH 1020 Accelerated Calculus**
- **MATH 1014 Applied Linear Algebra and Differential Equations**
- **MATH 1013 Matrix Algebra and Applications**
- **MATH 1023 Matrix Algebra and Applications**
- **MATH 1024 Matrix Algebra and Applications**
- **MATH 1012 Matrix Algebra and Applications**
- **MATH 1011 Matrix Algebra and Applications**
- **MATH 1010 Matrix Algebra and Applications**

#### Required credits for Major Required Courses and Electives

- **32 credits**

#### Required credits for Additional Requirements

- **2 credits**

#### Interdisciplinary Programs Office

- **BEng major**
- **BBA major**