

<< Declaration of BEng major << Declaration of BBA major

| School: | | School of Engineering and School of Business Management | | | Student's Pathway | | | | | | | | | | Remarks | |
|--|-------------|---|--|---------|-------------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|--------------------------------|-----------|
| Program: | | Dual Degree Program (BEng in Industrial Engineering and Engineering Management and BBA in Management) | | | Year 1 Fall | Year 1 Spring | Year 2 Fall | Year 2 Spring | Year 3 Fall | Year 3 Spring | Year 4 Fall | Year 4 Spring | Year 5 Fall | Year 5 Spring | | Sub-total |
| Course Offering Dept. (course code prefix) | Course Code | Course Title / Courses List | | Credits | | | | | | | | | | | | |
| BEng in Industrial Engineering and Engineering Management | | | | | | | | | | | | | | | | |
| Major Requirements | | | | | | | | | | | | | | | | |
| Engineering Fundamental Courses | | | | | | | | | | | | | | | | |
| COMP | 1021 | Introduction to Computer Science | | 3-5 | | | | | | | | | | | | |
| COMP | 1022P | Introduction to Computing with Java | | 3 | 3 | | | | | | | | | | | |
| COMP | 2011 | Programming with C++ | | 4 | | | | | | | | | | | | |
| COMP | 2012H | Honors Object-Oriented Programming and Data Structures | | 5 | | | | | | | | | | | | |
| CHEM | 1012 | General Chemistry B: Atomic Structure, Molecules, and Bonding Theories | | 3 | 3 | | | | | | | | | | | |
| PHYS | 1112 | General Physics I with Calculus | | 3 | | | | | | | | | | | | |
| PHYS | 1312 | Honors General Physics I | | 4 | | | | | | | | | | | | |
| MATH | 1012 | Calculus IA | | 4 | | | | | | | | | | | | |
| MATH | 1013 | Calculus IB | | 3 | 3 | 3 | | | | | | | | | | |
| MATH | 1014 | Calculus II | | 3 | | | | | | | | | | | | |
| MATH | 1020 | Accelerated Calculus | | 4 | | | | | | | | | | | | |
| MATH | 1023 | Honors Calculus I | | 3 | | | | | | | | | | | | |
| MATH | 1024 | Honors Calculus II | | 3 | | | | | | | | | | | | |
| MATH | 2011 | Introduction to Multivariable Calculus | | 3 | | | 3 | | | | | | | | | |
| MATH | 2111 | Matrix Algebra and Applications | | 3 | | | 3 | | | | | | | | | |
| SENG | | Engineering Introduction course (If the students take an introduction course included in their major, this course can be counted towards their major requirement.) | | 3-4 | (3) | | | | | | | | | | | |
| Required credits for Engineering Fundamental Courses | | | | 19-25 | | | | | | | | | | | | 18 |
| Major Required Courses and Electives | | | | | | | | | | | | | | | | |
| IEDA | 1010 | Academic and Professional Development I | | 0 | | | 0 | 0 | | | | | | | | 0 |
| IEDA | 1020 | Academic and Professional Development II | | 0 | | | | 0 | 0 | | | | | | | 0 |
| IEDA | 1901 | Industrial Training and Experience | | 0 | | | | | | | | | 0 | | | 0 |
| IEDA | 2520 | Probability for Engineers | | 3 | | | 3 | | | | | | | | | 3 |
| IEDA | 2540 | Statistics for Engineers | | 3 | | | 3 | | | | | | | | | 3 |
| IEDA | 3010 | Prescriptive Analytics | | 3 | | | | 3 | | | | | | | | 3 |
| IEDA | 3230 | Engineering Economics and Accounting | | 3 | | | | | 3 | | | | | | | 3 |
| IEDA | 3250 | Stochastic Models | | 3 | | | | 3 | | | | | | | | 3 |
| IEDA | 3300 | Industrial Data Systems | | 3 | | | | | | 3 | | | | | | 3 |
| IEDA | 4100 | Integrated Production Systems | | 3 | | | | | | | 3 | | | | | 3 |
| IEDA | 4130 | System Simulation | | 3 | | | | | | | | 3 | | | | 3 |
| IEDA | 4901 | Final Year Thesis | | 6 | | | | | | | | | 3 | | | 6 |
| IEDA | 4960 | Industrial Engineering and Engineering Management Final Year Project | | 6 | | | | | | | | | | 3 | | 6 |
| ENGG | 2010 | Engineering Seminar Series | | 0 | | | 0 | 0 | 0 | 0 | | | | | | 0 |
| ECON | 2103 | Principles of Microeconomics | | 3 | | | 3 | | | | | | | | | 3 |
| ECON | 2113 | Microeconomics | | 3 | | | | | | | | | | | | 3 |
| IEDA | | Industrial Engineering Electives (Courses from the specified elective list, of which at least 15 credits should be taken from 1 of the 2 areas and at least 6 credits outside that area.) | | 21 | | | 6 | 3 | | | 3 | | 3 | 6 | | 21 |
| Required credits for Major Requirements Courses and Electives | | | | 54 | | | | | | | | | | | | 54 |
| BBA in Management | | | | | | | | | | | | | | | | |
| School Requirements | | | | | | | | | | | | | | | | |
| ACCT | 2010 | Principles of Accounting I | | 3 | 3 | | | | | | | | | | | 3 |
| ACCT | 2200 | Principles of Accounting II | | 3 | | | | | | | | 3 | | | | 3 |
| ECON | 2103 | Principles of Microeconomics | | 3 | | | (3) | | | | | | | | | 0 |
| ECON | 2113 | Microeconomics | | 3 | | | | | | | | | | | | 0 |
| ECON | 2123 | Macroeconomics | | 3 | | | | 3 | | | | | | | | 3 |
| ECON | 3123 | Macroeconomic Theory I | | 3 | | | | | | | | | | | | 3 |
| FINA | 2303 | Financial Management | | 3 | | | 3 | | | | | | | | | 3 |
| ISOM | 2010 | Introduction to Information Systems | | 3 | | | | | | | | | | | | 0 |
| ISOM | 2020 | Coding for Business | | 1 | | | | | | | | | | | | 0 |
| ISOM | 2500 | Business Statistics | | 3 | | | | | | | | | | | | 0 |
| ISOM | 2600 | Introduction to Business Analytics | | 1 | | | | | | | | | | 1 | | 1 |
| ISOM | 2700 | Operations Management | | 3 | | | | | | | | | | | | 0 |
| MARK | 2120 | Marketing Management | | 3 | | | 3 | | | | | | | | | 3 |
| MGMT | 2010 | Business Ethics and the Individual | | 2 | | | | | | 2 | | | | | | 2 |
| MGMT | 2110 | Organizational Behavior | | 3 | | | 3 | | | | | | | | | 3 |
| MGMT | 2130 | Business Ethics and Social Responsibility | | 2 | | | | | | | 2 | | | | | 2 |
| MATH | 1003 | Calculus and Linear Algebra | | 3-4 | | | | | | | | | | | | 0 |
| MATH | 1012 | Calculus IA | | 3 | | | | | | | | | | | | 0 |
| MATH | 1013 | Calculus IB | | 4 | | | | | | | | | | | | 0 |
| MATH | 1020 | Accelerated Calculus | | 3 | | | | | | | | | | | | 0 |
| MATH | 1023 | Honors Calculus I | | 3 | | | | | | | | | | | | 0 |
| Required credits for School Requirements | | | | 39-40 | | | | | | | | | | | | 23 |
| Major Requirements | | | | | | | | | | | | | | | | |
| Major Required Courses and Electives | | | | | | | | | | | | | | | | |
| MGMT | 3110 | Human Resources Management | | 4 | | | | | 4 | | | | | | | 4 |
| MGMT | 3120 | Managerial Leadership | | 4 | | | | | | | | | | | | 4 |
| MGMT | 3130 | Judgement and Decision Making in Organizations | | 4 | | | | | | 4 | | | | | | 4 |
| MGMT | 3140 | Negotiation | | 4 | | | | | | | | | | | | 4 |
| MGMT | 4210 | Corporate Strategy | | 3-4 | | | | | | | 3 | | | | | 3 |
| MGMT | 4220 | Entrepreneurship and Innovation | | 3 | | | | | | | | | | | | 3 |
| MGMT | | MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.) | | 9 | | | | | | | 3 | 3 | 3 | | | 9 |
| Required credits for Major Required Courses and Electives | | | | 20-21 | | | | | | | | | | | | 20 |
| Additional Requirements | | | | | | | | | | | | | | | | |
| Requirements for Dual Degree Program | | | | | | | | | | | | | | | | |
| Required Courses | | | | | | | | | | | | | | | | |
| TEMG | 1010 | T&M Professional Activities | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TEMG | 3950 | T&M Case Analysis and Product Innovation | | 3 | | 3 | | | | | | | | | | 3 |
| TEMG | 4950 | T&M Corporate Consulting Project | | 3-5 | | | | 4 | | | | | | | | 4 |
| Required credits for Additional Requirements | | | | 7 | | | | | | | | | | | | 7 |
| University CORE | | | | | | | | | | | | | | | | |
| CORE | C3 - C9 | U CORE - Others | | 21 | | 6 | | | | 6 | 3 | 3 | 3 | | | 21 |
| CORE | C1 & C2 | U CORE - English Language | | 6 | 3 | 3 | | | | | | | | | | 6 |
| HMAW | 1905 | Behavioral Foundations of University Education: Habits, Mindsets, and Wellness | | 3 | 1 | 2 | | | | | | | | | | 3 |
| Sub-total for University CORE | | | | 30 | | | | | | | | | | | | 30 |
| | | | | | | | | | | | | | | | Term load (excl. free credits) | |
| | | | | | | | | | | | | | | | 16 | 17 |
| | | | | | | | | | | | | | | | 15 | 18 |
| | | | | | | | | | | | | | | | 17 | 15 |
| | | | | | | | | | | | | | | | 14 | 15 |
| | | | | | | | | | | | | | | | 12 | 13 |
| | | | | | | | | | | | | | | | 152## | |

Notes:
() indicates the reuse of the same course to fulfill more than one requirement.
* Courses offered in winter term
^ Courses offered in summer term
--- denotes the course/requirement is either waived or substituted
To graduate, students should complete all requirements as specified for DDP.

**Remarks on course(s):