

<< 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 Electronic Engineering 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 Electronic Engineering | | | | | | | | | | | | | | | |
| Major Requirements | | | | | | | | | | | | | | | |
| Engineering Fundamental Courses | | | | | | | | | | | | | | | |
| ELEC | 2600 | Note: ELEC2600 OR ELEC2600H OR MATH2011 OR MATH2111 OR MATH2350 OR MATH 2351 (3 courses out of 6) | 4 | | | | | | | | | | | | |
| ELEC | 2600H | Probability and Random Processes in Engineering | 4 | | | | | | | | | | | | |
| MATH | 2011 | Honors Probability and Random Processes in Engineering | 3 | 3 | | 3 | | 3 | | | | | | 9 | |
| MATH | 2111 | Introduction to Multivariable Calculus | 3 | | | | | | | | | | | | |
| MATH | 2350 | Matrix Algebra and Applications | 3 | | | | | | | | | | | | |
| MATH | 2351 | Applied Linear Algebra and Differential Equations | 3 | | | | | | | | | | | | |
| MATH | 2351 | Introduction to Differential Equations | 3 | | | | | | | | | | | | |
| COMP | 1021 | Note: COMP 1021 OR COMP 1022P | 3 | | 3 | | | | | | | | | | |
| COMP | 1022P | Introduction to Computer Science | 3 | | | | | | | | | | | | |
| COMP | 2011 | Introduction to Computing with Java | 4-5 | | | | | | | | | | | | |
| COMP | 2012H | Note: COMP 2011 OR COMP 2012H | 4 | | | 4 | | | | | | | | | |
| COMP | 2012H | Programming with C++ | 5 | | | | | | | | | | | | |
| LANG | 2030 | Honors Object-Oriented Programming and Data Structures | 3 | | | | | | | | | | | | |
| LANG | 2030 | Technical Communication I | 3 | - | - | - | - | - | - | - | - | - | - | 0 | |
| Waived for DDP students | | | | | | | | | | | | | | | |
| MATH | 1012 | Note: (MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020) | 4-7 | | | | | | | | | | | | |
| MATH | 1013 | Calculus IA | 4 | | | | | | | | | | | | |
| MATH | 1014 | Calculus IB | 3 | 3 | 3 | | | | | | | | | 6 | |
| MATH | 1020 | Calculus II | 3 | | | | | | | | | | | | |
| MATH | 1023 | Accelerated Calculus | 4 | | | | | | | | | | | | |
| MATH | 1023 | Honors Calculus I | 3 | | | | | | | | | | | | |
| MATH | 1024 | Honors Calculus II | 3 | | | | | | | | | | | | |
| PHYS | 1112 | Note: PHYS1112 OR PHYS1312 | 3 | | | | | | | | | | | | |
| PHYS | 1312 | General Physics I with Calculus | 3 | 3 | | | | | | | | | | 3 | |
| PHYS | 1312 | Honors General Physics I | 3 | | | | | | | | | | | | |
| PHYS | 1114 | Note: PHYS1114 OR PHYS1314 | 3 | | | | | | | | | | | | |
| PHYS | 1314 | General Physics II | 3 | | 3 | | | | | | | | | 3 | |
| PHYS | 1314 | Honors General Physics II | 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) | | | | | | | | | 0 | |
| Required credits for Engineering Fundamental Courses | | | 32-38 | | | | | | | | | | | 28 | |
| Major Required Courses and Electives | | | | | | | | | | | | | | | |
| ELEC | 1100 | Introduction to Electro-Robot Design | 4 | | | 4 | | | | | | | | 4 | |
| ELEC | 1200 | A System View of Communications: from Signals to Packets | 4 | | | 4 | | | | | | | | 4 | |
| ELEC | 2100 | Note: ELEC2100 OR ELEC2100H | 4 | | | | | | | 4 | | | | 4 | |
| ELEC | 2100H | Signals and Systems | 4 | | | | | | | | | | | | |
| ELEC | 2350 | Honors Signals and Systems | 4 | | | | | | | | | | | | |
| ELEC | 2400 | Introduction to Computer Organization and Design | 4 | | | | | | | 4 | | | | 4 | |
| ELEC | 2400 | Electronic Circuits | 4 | | | | | | | | | | | | |
| ELEC | 2910 | Academic and Professional Development I | 0 | | | 0 | 0 | | | | | | | 0 | |
| ELEC | 3910 | Academic and Professional Development II | 0 | | | | | 0 | 0 | | | | | 0 | |
| ELEC | 4900 | Note: [ELEC 2991 AND (ELEC 4900 OR ELEC 4901)] OR [ELEC 4910] (Students taking the Research Option must take ELEC 4901) | 6 | | | | | | | | | | | | |
| ELEC | 4901 | Final Year Design Project | 6 | | | | | | | | 3 | 3 | | 6 | |
| ELEC | 4901 | Final Year Thesis | 6 | | | | | | | | | | | | |
| ELEC | 2991 | Industrial Experience (Electronic Engineering) | 0 | | | | | | | | | | | | |
| ELEC | 4910 | Co-op Program | 6 | | | | | | | | | | | | |
| ENGG | 2010 | Engineering Seminar Series | 0 | | | 0 | 0 | 0 | 0 | | | | | 0 | |
| LANG | 4031 | Technical Communication II for ECE & CPEG | 3 | | | | | | | | | 3 | | 3 | |
| ELEC | | ELEC 3000-level or above Electives (Courses of the subject and level as specified, out of which at least 2 courses must be at 4000-level. ELEC 4940 cannot be used to count towards this elective requirement) | 21 | | | 3 | | | 3 | | 6 | 3 | 6 | 21 | |
| Required credits for Major Requirements Courses and Electives | | | 50 | | | | | | | | | | | 50 | |
| 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 | Note: ECON2103 OR ECON2113 | 3 | | | 3 | | | | | | | | 3 | |
| ECON | 2113 | Principles of Microeconomics | 3 | | | | | | | | | | | | |
| ECON | 2113 | Microeconomics | 3 | | | | | | | | | | | | |
| ECON | 2123 | Note: ECON2123 OR ECON3123 | 3 | | | | | | 3 | | | | | 3 | |
| ECON | 3123 | Macroeconomics | 3 | | | | | | | | | | | | |
| ECON | 3123 | Macroeconomic Theory I | 3 | | | | | | | | | | | | |
| FINA | 2303 | Financial Management | 3 | | | 3 | | | | | | | | 3 | |
| ISOM | 2010 | Introduction to Information Systems | 3 | - | - | - | - | - | - | - | - | - | - | 0 | |
| Substituted by COMP 1021/ 1022P/ 2011/ 2012H | | | | | | | | | | | | | | | |
| ISOM | 2020 | Coding for Business | 1 | - | - | - | - | - | - | - | - | - | - | 0 | |
| Waived for DDP students if they have taken and passed COMP 1021 or COMP 1029P | | | | | | | | | | | | | | | |
| ISOM | 2500 | Business Statistics | 3 | | | 3 | | | | | | | | 3 | |
| ISOM | 2600 | Introduction to Business Analytics | 1 | | | | | | 1 | | | | | 1 | |
| ISOM | 2700 | Operations Management | 3 | | | | | | 3 | | | | | 3 | |
| 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 2110 is a major pre-requisite | | | | | | | | | | | | | | | |
| MGMT | 2130 | Business Ethics and Social Responsibility | 2 | | | | | | 2 | | | | | 2 | |
| LABU | 2040 | Business Case Analyses | 3 | - | - | - | - | - | - | - | - | - | - | 0 | |
| Waived for DDP students | | | | | | | | | | | | | | | |
| LABU | 2060 | Effective Communication in Business | 3 | | | | | | 3 | | | | | 3 | |
| MATH | 1003 | Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 | 3-4 | | | | | | | | | | | | |
| MATH | 1012 | Calculus and Linear Algebra | 3 | (3) | | | | | | | | | | | |
| MATH | 1013 | Calculus IA | 4 | | | | | | | | | | | | |
| MATH | 1013 | Calculus IB | 3 | | | | | | | | | | | | |
| MATH | 1020 | Accelerated Calculus | 4 | | | | | | | | | | | | |
| MATH | 1023 | Honors Calculus I | 3 | | | | | | | | | | | | |
| Required credits for School Requirements | | | 43-44 | | | | | | | | | | | 35 | |
| Major Requirements | | | | | | | | | | | | | | | |
| Major Required Courses and Electives | | | | | | | | | | | | | | | |
| MGMT | 3110 | Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.) | 4 | | | | | | 4 | | | | | 4 | |
| MGMT | 3120 | Human Resources Management | 4 | | | | | | | | | | | | |
| MGMT | 3120 | Managerial Leadership | 4 | | | | | | | | | | | | |
| MGMT | 3130 | Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.) | 4 | | | | | | | 4 | | | | 4 | |
| MGMT | 3140 | Judgement and Decision Making in Organizations | 4 | | | | | | | | | | | | |
| MGMT | 3140 | Negotiation | 4 | | | | | | | | | | | | |
| MGMT | 4210 | Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.) | 3-4 | | | | | | | | | | | | |
| MGMT | 4220 | Corporate Strategy | 3 | | | | | | | 3 | | | | 3 | |
| MGMT | 4220 | Entrepreneurship and Innovation | 4 | | | | | | | | | | | | |
| 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 | |
| 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 | | | | 3 | | | 6 | 6 | 3 | 3 | 21 | |
| CORE | C1 & C2 | U CORE - English Language | 6 | 3 | 3 | | | | | | | | | 6 | |
| CORE | 1905 | Behavioral Foundations of University Education: Habits, Mindsets, and Wellness | 3 | 0 | 3 | | | | | | | | | 3 | |
| Sub-total for University CORE | | | 30 | | | | | | | | | | | 30 | |
| Term load (excl. free credits) | | | | | | | | | | | | | | | |
| 15 18 17 19 19 20 17 15 15 15 | | | | | | | | | | | | | | | |
| 170## | | | | | | | | | | | | | | | |
| Notes: | | | | | | | | | | | | | | | |
| () indicates the reuse of the same course to fulfill more than one requirement. --- denotes the course/requirement is either waived or substituted ## To graduate, students should complete all requirements as specified for DDP. | | | | | | | | | | | | | | | |
| **Remarks on course(s): | | | | | | | | | | | | | | | |
| >> The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalog/UG Curriculum Handbook for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department. | | | | | | | | | | | | | | | |

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