

← Declaration of major

| | | | | | | | | | | | | | | |
|--|-------------|---|---------|-------------|-------------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-----------|
| School: | | School of Engineering and School of Business Management | | | Student's Pathway | | | | | | | | | |
| Program: | | Dual Degree Program (BEng in Electronic Engineering and BBA in General Business Management) | | | | | | | | | | | | |
| Course Offering Dept. (course code prefix) | Course Code | Course Title / Courses List | Credits | 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 |
| | | | | | | | | | | | | | | |

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 | Honors Probability and Random Processes in Engineering | 4 | | | | | | | | | | | |
| MATH | 2011 | Introduction to Multivariable Calculus | 3 | 3 | | 3 | | 3 | | | | | | 9 |
| MATH | 2111 | Matrix Algebra and Applications | 3 | | | | | | | | | | | |
| MATH | 2350 | Applied Linear Algebra and Differential Equations | 3 | | | | | | | | | | | |
| MATH | 2361 | Introduction to Differential Equations | 3 | | | | | | | | | | | |
| COMP | 1021 | Introduction to Computer Science | 3 | | | | | | | | | | | |
| COMP | 1022P | Introduction to Computing with Java | 3 | | 3 | | | | | | | | | |
| COMP | 1022Q | Introduction to Computing with Excel VBA | 3 | | | | | | | | | | | |
| COMP | 1029J | Java Programming Bridging Course | 1 | | | | | | | | | | | |
| COMP | 1029P | Python Programming Bridging Course | 1 | | | | | | | | | | | |
| COMP | 2011 | Programming with C++ | 4 | | | 4 | | | | | | | | 4 |
| ENGG | 1010 | Academic Orientation | 0 | 0 | 0 | | | | | | | | | 0 |
| LANG | 2030 | Technical Communication I | 3 | | | | | | 3 | | | | | 3 |
| MATH | 1012 | Note: (MATH1012 OR MATH1013 OR MATH1023) AND (MATH1014 OR MATH1024) OR (MATH1020) | 4-7 | | | | | | | | | | | |
| MATH | 1013 | Calculus IA | 4 | | | | | | | | | | | |
| MATH | 1014 | Calculus IB | 3 | 3 | 3 | | | | | | | | | 6 |
| MATH | 1020 | 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 | 1114 | Note: PHYS1114 OR PHYS1314 | 3 | | | | | | | | | | | |
| PHYS | 1314 | General Physics II | 3 | | 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) | | | | | | | | | 0 |
| Required credits for Engineering Fundamental Courses | | | 32-37 | | | | | | | | | | | 31 |

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 | Honors Signals and Systems | 4 | | | | | | | | | | | |
| ELEC | 2350 | Introduction to Computer Organization and Design | 4 | | | | | | | 4 | | | | 4 |
| ELEC | 2400 | Electronic Circuits | 4 | | | | | | 4 | | | | | 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: (ELEC4900 AND ELEC1991) OR (ELEC4901 AND ELEC1991) OR ELEC4910 | 6 | | | | | | | | | 3 | 3 | 6 |
| ELEC | 4901 | (Students taking the Research Option must take ELEC 4901) | 6 | | | | | | | | | | | |
| ELEC | 4910 | Final Year Design Project | 6 | | | | | | | | | | | |
| ELEC | 1991 | 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 4000-level Electives (Any 2 courses ELEC 4000-level courses. ELEC4940 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 General Business 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 | 2123 | Note: ECON2123 OR ECON3123 | 3 | | | | | 3 | | | | | | 3 |
| ECON | 3123 | Macroeconomics | 3 | | | | | | | | | | | |
| FINA | 2303 | Financial Management | 3 | | | 3 | | | | | | | | 3 |
| ISOM | 2010 | Introduction to Information Systems | 3 | | | | | | | | | | | |
| ISOM | 2020 | Coding for Business | 1 | | | | | 1 | | | | | | 1 |
| 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 | 2130 | Business Ethics and Social Responsibility | 2 | | | | | | | | 2 | | | 2 |
| SBMT | 1111 | Business Student Induction | 0 | | | | | | | | | | | 0 |
| LABU | 2040 | Business Case Analyses | 3 | | | | 3 | | | | | | | 3 |
| LABU | 2060 | Effective Communication in Business | 3 | | | | | 3 | | | | | | 3 |
| MATH | 1003 | Note: MATH1003 OR MATH1012 OR MATH1013 OR MATH1020 OR MATH1023 | 3-4 | | | | | | | | | | | |
| MATH | 1012 | Calculus and Linear Algebra | 3 | | | | | | | | | | | |
| MATH | 1013 | Calculus IA | 4 | (3) | | | | | | | | | | |
| MATH | 1013 | Calculus IB | 3 | | | | | | | | | | | |
| MATH | 1020 | Accelerated Calculus | 4 | | | | | | | | | | | |
| MATH | 1023 | Honors Calculus I | 3 | | | | | | | | | | | |
| Required credits for School Requirements | | | 43-44 | | | | | | | | | | | 39 |

Major Requirements

Major Required Courses and Electives

| | | | | | | | | | | | | | | |
|--|--|---|----|--|--|--|---|---|--|---|---|---|----|----|
| SB&M | | SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.) | 29 | | | | 3 | 3 | | 6 | 4 | 3 | 10 | 29 |
| Required credits for Major Required Courses and Electives | | | 29 | | | | | | | | | | | 29 |

Additional Requirements

Requirements for Dual Degree Program

Required Courses

| | | | | | | | | | | | | | | |
|---|------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEMG | 1010 | Technology and Management Professional Activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TEMG | 3950 | Case-based Problem Solving | 2 | | 2 | | | | | | | | | 2 |
| Required credits for Additional Requirements | | | 2 | | | | | | | | | | | 2 |

University CORE

| | | | | | | | | | | | | | | |
|--------------------------------------|----------|---------------------------|----|---|---|--|--|--|---|---|---|---|---|----|
| CORE | C3 - C12 | U CORE - Others | 30 | 6 | 3 | | | | 3 | 6 | 6 | 3 | 3 | 30 |
| CORE | C1 & C2 | U CORE - English Language | 6 | 3 | 3 | | | | | | | | | 6 |
| Sub-total for University CORE | | | 36 | | | | | | | | | | | 36 |

| | | | | | | | | | |
|--------------------------------|----|----|----|----|----|----|----|----|----|
| Term load (excl. free credits) | | | | | | | | | |
| 18 | 17 | 20 | 19 | 19 | 19 | 20 | 16 | 17 | 22 |
| 187## | | | | | | | | | |

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.

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**Remarks on course(s):