The Hong Kong University of Science and Technology

**Academy of Interdisciplinary Studies**

An Example on Student's Pathway (as of Dec 21, 2025)

**EEMARK** **2025-26 Intake**

(Via DDP PBA)

| School: | School of Engineering and School of Business Management | | | << Selection of BEng major | | | | << Selection of BBA major | | | | | | | Student's Pathway |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Program: | Dual Degree Program (BEng in Electronic Engineering and BBA in Marketing) | | | | | | | | | | | | | | |
| 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 | Remarks |
| **BEng in Electronic Engineering** | | | | | | | | | | | | | | | |
| Engineering Fundamental Courses | | | | | | | | | | | | | | | |
| | | Note: ELEC 2600 OR MATH 2011 OR MATH 2111 OR MATH 2350 OR MATH 2351 (3 courses out of 5) | 9-10 | | | | | | | | | | | | |
| ELEC | 2600 | Probability and Random Processes in Engineering | 4 | | | 3 | 3 | 3 | | | | | | 9 | |
| MATH | 2011 | Introduction to Multivariable Calculus | 3 | | | | | | | | | | | | |
| MATH | 2111 | Matrix Algebra and Applications | 3 | | | | | | | | | | | | |
| MATH | 2350 | Applied Linear Algebra and Differential Equations | 3 | | | | | | | | | | | | |
| MATH | 2351 | Introduction to Differential Equations | 3 | | | | | | | | | | | | |
| COMP | 1023 | Introduction to Python Programming | 3 | | 3 | | | | | | | | | 3 | Students should take COMP1023 which will also be used to substitute ISOM 2010 and to waive ISOM 2020 |
| | | Note: COMP2011 OR COMP2012H | 4-5 | | | | | | | | | | | | |
| COMP | 2011 | Programming with C++ | 4 | | | 4 | | | | | | | | 4 | |
| COMP | 2012H | Honors Object-Oriented Programming and Data Structures | 5 | | | | | | | | | | | | |
| | | Note: [(MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] | 4-6 | | | | | | | | | | | | |
| MATH | 1013 | Calculus I | 3 | 3 | 3 | | | | | | | | | 6 | DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees |
| MATH | 1014 | Calculus II | 3 | | | | | | | | | | | | |
| MATH | 1020 | Accelerated Calculus | 4 | | | | | | | | | | | | |
| MATH | 1023 | Honors Calculus I | 3 | | | | | | | | | | | | |
| MATH | 1024 | Honors Calculus II | 3 | | | | | | | | | | | | |
| | | Note: PHYS1112 OR PHYS1312 | 3 | | | | | | | | | | | | |
| PHYS | 1112 | General Physics I with Calculus | 3 | 3 | | | | | | | | | | 3 | |
| PHYS | 1312 | Honors General Physics I | 3 | | | | | | | | | | | | |
| | | Note: PHYS1114 OR PHYS1314 | 3 | | | | | | | | | | | | |
| PHYS | 1114 | General Physics II | 3 | | 3 | | | | | | | | | 3 | |
| PHYS | 1314 | Honors General Physics II | 3 | | | | | | | | | | | | |
| | | **Required Credits for Engineering Fundamental Courses** | 26-30 | 6 | 9 | 7 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 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 | 1910 | Academic and Professional Development I | 0 | 0 | 0 | | | | | | | | | 0 | |
| ELEC | 2100 | Signals and Systems | 4 | | | | | 4 | | | | | | 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 II | 0 | | | 0 | 0 | | | | | | | 0 | |
| ELEC | 2991 | Industrial Experience (Electronic Engineering) | 0 | | | | 0 | 0 | 0 | | | | | 0 | Students should complete safety training and internship/industrial training to get pass of ELEC 2991 |
| ELEC | 3910 | Academic and Professional Development III | 0 | | | | | 0 | 0 | | | | | 0 | |
| | | Note: [ELEC 4900 OR ELEC 4901]] OR [ELEC 4910] (Students taking the Research Option must take ELEC 4901) | 6 | | | | | | | | | | | | |
| ELEC | 4900 | Final Year Design Project | 6 | | | | | | | | | 3* | 3 | 6 | 3* = 1 credit in year 4 Summer + 2 credits in year 5 Fall. |
| ELEC | 4901 | Final Year Thesis | 6 | | | | | | | | | | | | |
| ELEC | 4910 | Co-op Program | 6 | | | | | | | | | | | | |
| 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 | | | | | | 11 | 3 | 3 | 4 | | 21 | |
| | | **BEng in Electronic Engineering Major Requirements** | 47 | 4 | 4 | 4 | 4 | 4 | 11 | 3 | 3 | 7 | 3 | 47 | |
| **BBA in Marketing** | | | | | | | | | | | | | | | |
| School Requirements | | | | | | | | | | | | | | | |
| ACCT | 2010 | Principles of Accounting I | 3 | 3 | | | | | | | | | | 3 | |
| ACCT | 2200 | Principles of Accounting II | 3 | | | | | | 3 | | | | | 3 | |
| | | Note: ECON 2103 OR ECON 2113 | 3 | | | | | | | | | | | | |
| ECON | 2103 | Principles of Microeconomics | 3 | | 3 | | | | | | | | | 3 | |
| ECON | 2113 | Microeconomics | 3 | | | | | | | | | | | | |
| | | Note: ECON 2123 OR ECON 3123 | 3 | | | | | | | | | | | | |
| ECON | 2123 | Macroeconomics | 3 | | | | | 3 | | | | | | 3 | |
| ECON | 3123 | Macroeconomic Theory I | 3 | | | | | | | | | | | | |
| FINA | 2303 | Financial Management | 3 | | | | 3 | | | | | | | 3 | |
| ISOM | 2010 | Introduction to Information Systems | 3 | - | - | - | - | - | - | - | - | - | - | 0 | COMP 1023 is more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 instead of ISOM 2010. |
| ISOM | 2020 | Coding for Business | 1 | - | - | - | - | - | - | - | - | - | - | 0 | ISOM 2020 is waived for DDP students who have taken and passed COMP 1023 . The COMP course is similar or more advanced coding (Python) courses as ISOM 2020. |
| 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 | MARK 2120 is a major pre-requisite |
| 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 | |
| | | Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023 | 3-4 | | | | | | | | | | | | |
| MATH | 1003 | Calculus and Linear Algebra | 3 | (3) | | | | | | | | | | 0 | DDP students should take MATH 1013 and MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees |
| MATH | 1013 | Calculus I | 3 | | | | | | | | | | | | |
| MATH | 1020 | Accelerated Calculus | 4 | | | | | | | | | | | | |
| MATH | 1023 | Honors Calculus I | 3 | | | | | | | | | | | | |
| | | **Required Credits for School Requirements** | 39-40 | 3 | 3 | 6 | 6 | 3 | 3 | 3 | 3 | 0 | 2 | 32 | |
| Major Required Courses and Electives | | | | | | | | | | | | | | | |
| MARK | 3220 | Marketing Research | 4 | | | | | 4 | | | | | | 4 | |
| MARK | 3420 | Consumer Behavior | 4 | | | | | | 4 | | | | | 4 | |
| MARK | 4210 | Strategic Marketing | 4 | | | | | | | 4 | | | | 4 | |
| MARK | | MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified) | 12 | | | | | | | | 4 | 4 | 4 | 12 | |
| | | **Required Credits for Major Required Courses and Electives** | 24 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 4 | 4 | 24 | |
| **Additional Requirements for Dual Degree** | | | | | | | | | | | | | | | |
| Requirements for Dual Degree Program | | | | | | | | | | | | | | | |
| TEMG | 1011 | T&M Professional Activities I | 0 | 0 | 0 | | | | | | | | | 0 | |
| TEMG | 1012 | T&M Professional Activities II | 0 | | | 0 | 0 | | | | | | | 0 | |
| TEMG | 1013 | T&M Professional Activities III | 0 | | | | | 0 | 0 | | | | | 0 | |
| TEMG | 1014 | T&M Professional Activities IV | 0 | | | | | | | 0 | 0 | | | 0 | To graduate, students should complete ALL requirements as specified for DDP. |
| TEMG | 1015 | T&M Professional Activities V | 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 | 0 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | |
| **University Common Core Requirement** | | | | | | | | | | | | | | | |
| CORE | C3 - C9 | U CORE - Others | 21 | | | | | | | 6 | 6 | 3 | 6 | 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 | 4 | 5 | 0 | 0 | 0 | 0 | 6 | 6 | 3 | 6 | 30 | |
| | | | | Term load (excl. free credits) | | | | | | | | | | | |
| | | | | 17 | 24 | 17 | 17 | 14 | 18 | 16 | 16 | 14 | 15 | **168** | |
| | | | | 168## | | | | | | | | | | | |

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):

*>> 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.*