The Hong Kong University of Science and Technology
**Academy of Interdisciplinary Studies**
An Example on Student's Pathway (as of Dec 21, 2025)

**COMGMT** 2025-26 Intake
(Via DDP PBA)

| | << Selection of BEng major | << Declaration of BEng major | << Selection of BBA major | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| School: | School of Engineering and School of Business Management | | | | | | Student's Pathway | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Program: | Dual Degree Program (BEng in Computer Science and BBA in 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 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BEng in Computer Science** | | | | | | | | | | | | | | | |
| *Engineering Fundamental Courses* | | | | | | | | | | | | | | | |
| 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: [(MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] | 6-7 | | | | | | | | | | | | |
| 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: MATH 2111 OR MATH 2121 OR MATH 2131 | 3-4 | | | | | | | | | | | | |
| MATH | 2111 | Matrix Algebra and Applications | 3 | | | 3 | | | | | | | | 3 | |
| MATH | 2121 | Linear Algebra | 4 | | | | | | | | | | | | |
| MATH | 2131 | Honors in Linear and Abstract Algebra I | 4 | | | | | | | | | | | | |
| | | **Required Credits for Engineering Fundamental Courses** | | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | |
| *Major Required Courses and Electives* | | | | | | | | | | | | | | | |
| | | Note: (COMP 2011 AND COMP 2012) OR COMP 2012H | 5-8 | | | | | | | | | | | | |
| COMP | 2011 | Programming with C++ | 4 | | | 4 | 4 | | | | | | | 8 | |
| COMP | 2012 | Object-Oriented Programming and Data Structures | 4 | | | | | | | | | | | | |
| COMP | 2012H | Honors Object-Oriented Programming and Data Structures | 5 | | | | | | | | | | | | |
| COMP | 2611 | Computer Organization | 4 | | | | 4 | | | | | | | 4 | |
| | | Note: COMP2711 OR COMP2711H | 4 | | | | | | | | | | | | |
| COMP | 2711 | Discrete Mathematical Tools for Computer Science | 4 | | | 4 | | | | | | | | 4 | |
| COMP | 2711H | Honors Discrete Mathematical Tools for Computer Science | 4 | | | | | | | | | | | | |
| | | Note: COMP3111 OR COMP3111H | 4 | | | | | | | | | | | | |
| COMP | 3111 | Software Engineering | 4 | | | | | 4 | | | | | | 4 | |
| COMP | 3111H | Honors Software Engineering | 4 | | | | | | | | | | | | |
| COMP | 3511 | Operating Systems | 3 | | | | | 3 | | | | | | 3 | |
| | | Note: COMP3711 OR COMP3711H | 3-4 | | | | | | | | | | | | |
| COMP | 3711 | Design and Analysis of Algorithms | 3 | | | | | 3 | | | | | | 3 | |
| COMP | 3711H | Honors Design and Analysis of Algorithms | 4 | | | | | | | | | | | | |
| COMP | 4900 | Note: Students are required to take COMP4900 for every regular term in which they are in residency at HKUST with major in COMP Academic and Professional Development | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Note: [COMP 1991 AND (COMP 4981 OR COMP 4981H)] OR [COMP 4910] | 6 | | | | | | | | | | | | |
| COMP | 1991 | Industrial Experience | 0 | | | | | | 0 | | | 3 | 3 | 6 | |
| COMP | 4910 | Co-op Program | 6 | | | | | | | | | | | | |
| COMP | 4981 | Final Year Project | 6 | | | | | | | | | | | | |
| COMP | 4981H | Final Year Thesis | 6 | | | | | | | | | | | | |
| ELEC/IEDA/MATH | | Note: ELEC 2600 OR ELEC 2600H OR IEDA 2520 OR IEDA 2540 OR MATH 2411 OR MATH 2421 OR MATH 2431 | 3-4 | | | | | | | | | | | | |
| ELEC | 2600 | Probability and Random Processes in Engineering | 4 | | | | | | | | | | | | Students should take MATH 2411 which will also be used to substitute ISOM 2500. |
| ELEC | 2600H | Honors Probability and Random Processes in Engineering | 4 | | | | 4 | | | | | | | 4 | |
| IEDA | 2520 | Probability for Engineers | 3 | | | | | | | | | | | | |
| IEDA | 2540 | Statistics for Engineers | 4 | | | | | | | | | | | | |
| MATH | 2411 | Applied Statistics | 4 | | | | | | | | | | | | |
| MATH | 2421 | Probability | 4 | | | | | | | | | | | | |
| MATH | 2431 | Honors Probability | 4 | | | | | | | | | | | | |
| COMP | | COMP 2000-level or above Elective (Any course(s) of the subject and level as specified) | 3 | | | | | 3 | | | | | | 3 | |
| COMP | | COMP Electives (5 courses from the specified elective list, of which at least 3 courses should be taken from 1 area and at least 2 courses outside that area (including course(s) in the Courses Without Associated Area). Students may use at most one course under Deep Learning Applications (COMP 4471 and COMP 5223) to count towards this elective requirement.) | 15 | | | | | | 3 | 3 | 3 | 3 | 3 | 15 | |
| | | **BEng in Computer Science Major Requirements** | 60-66 | 0 | 0 | 8 | 12 | 13 | 3 | 3 | 3 | 6 | 6 | 54 | |
| **BBA in Management** | | | | | | | | | | | | | | | |
| *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, COMP 1022P, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H 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 or COMP 1029P or COMP2011 or COMP2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020. |
| ISOM | 2500 | Business Statistics | 3 | - | - | - | - | - | - | - | - | - | - | 0 | Substituted by MATH 2411 |
| ISOM | 2600 | Introduction to Business Analytics | 1 | - | - | - | - | - | - | - | - | - | - | 1 | |
| ISOM | 2700 | Operations Management | 3 | | | | | | 1 | | 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 | |
| | | 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 | 3 | 6 | 3 | 4 | 2 | 0 | 2 | 29 | | |
| *Major Required Courses and Electives* | | | | | | | | | | | | | | | |
| MGMT | | 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 | Students in the Consulting Option must take MGMT 3120 |
| MGMT | 3110 | Human Resources Management | 4 | | | | | | | | | | | | |
| MGMT | 3120 | Managerial Leadership | 4 | | | | | | | | | | | | |
| | | Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.) | 4 | | | | | | | | | | | | |
| MGMT | 3130 | Judgement and Decision Making in Organizations | 4 | | | | | | 4 | | | | | 4 | Students in the Consulting Option must take MGMT 3140 |
| MGMT | 3140 | Negotiation | 4 | | | | | | | | | | | | |
| | | 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 | 4210 | Corporate Strategy | 3 | | | | | | | 3 | | | | 3 | Students in the Consulting Option must take MGMT 4210. Students in the CSR Option must take MGMT 4220 |
| 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 | | Students in the Consulting Option are recommended to take MGMT 4220 and a new course in Simulating Strategy to fulfill the major elective requirement |
| | | **Required Credits for Major Required Courses and Electives** | 26-27 | 0 | 0 | 0 | 0 | 4 | 4 | 3 | 3 | 3 | 3 | 20 | |
| **Additional Requirement for Dual Degree** | | | | | | | | | | | | | | | |
| *Required Courses* | | | | | | | | | | | | | | | |
| 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 | To graduate, students should complete ALL requirements as specified for DDP. |
| TEMG | 1014 | T&M Professional Activities IV | 0 | | | | | | | 0 | 0 | | | 0 | |
| 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 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 7 | |
| **University Common Core Requirement** | | | | | | | | | | | | | | | |
| CORE | C3 - C9 | U CORE - Others | 21 | | | | | | | 6 | 6 | 6 | 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** | | 4 | 5 | 0 | 0 | 0 | 0 | 6 | 6 | 6 | 3 | 30 | |
| | | Term load (excl. free credits) | | 13 | 14 | 14 | 18 | 20 | 15 | 15 | 14 | 15 | 14 | 152 | |
| | | | | | | | | 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):

>> 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.