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

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

| School: | School of Engineering and School of Business Management | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Program: | Dual Degree Program (BEng in Artificial Intelligence and BBA in Global Business) | | | | | | | | | | | | | | |

| 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 Artificial Intelligence (AI)** | | | | | | | | | | | | | | | |
| *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 MATH1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] | 4-6 | | | | | | | | | | | | |
| MATH | 1013 | Calculus IB | 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 2121 OR MATH 2131 | 4 | | | | | | | | | | | | |
| MATH | 2121 | Linear Algebra | 4 | | | 4 | | | | | | | | 4 | |
| MATH | 2131 | Honors in Linear and Abstract Algebra I | 4 | | | | | | | | | | | | |
| | | **Required Credits for Engineering Fundamental Courses** | 11-13 | 6 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | |
| *Major Required Courses and Electives* | | | | | | | | | | | | | | | |
| COMP | 1944 | Artificial Intelligence Ethics | 3 | 3 | | | | | | | | | | 3 | |
| | | 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 | 2211 | Exploring Artificial Intelligence | 3 | | 3 | | | | | | | | | 3 | |
| COMP | 2611 | Computer Organization | 4 | | | | 4 | | | | | | | 4 | |
| | | Note: COMP 2711 OR COMP 2711H | 4 | | | | | | | | | | | | |
| COMP | 2711 | Discrete Mathematical Tools for Computer Science | 4 | | | 4 | | | | | | | | 4 | |
| COMP | 2711H | Honors Discrete Mathematical Tools for Computer Science | 4 | | | | | | | | | | | | |
| COMP | 3211 | Fundamentals of Artificial Intelligence | 3 | | | | | 3 | | | | | | 3 | |
| | | Note: COMP 3711 OR COMP 3711H | 3-4 | | | | | | | | | | | | |
| COMP | 3711 | Design and Analysis of Algorithms | 3 | | | | | 3 | | | | | | 3 | |
| COMP | 3711H | Honors Design and Analysis of Algorithms | 4 | | | | | | | | | | | | |
| COMP | 4211 | Machine Learning | 3 | | | | | | 3 | | | | | 3 | |
| | | Note: COMP 4221 OR COMP 4471 | 3 | | | | | | | | | | | | |
| COMP | 4221 | Introduction to Natural Language Processing | 3 | | | | | | 3 | | | | | 3 | |
| COMP | 4471 | Deep Learning in Computer Vision | 3 | | | | | | | | | | | | |
| COMP | 4900 | Note: Students are required to take COMP 4900 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 | | | | | | | | | | | | |
| MATH | 2411 | Applied Statistics | 4 | | | | 4 | | | | | | | 4 | Students should take MATH2411 which will also be used to substitute ISOM2500 |
| COMP | | COMP Electives (6 courses from the specified elective list, of which at least 4 courses should be taken from Artificial Intelligence area and at least 2 courses from Other-COMP area). | 18 | | | | | | | 6 | 6 | 3 | 3 | 18 | |
| | | **BEng in Artificial Intelligence Major Requirements** | 59-63 | 3 | 3 | 8 | 12 | 6 | 6 | 6 | 6 | 6 | 6 | 62 | |
| **BBA in Global Business** | | | | | | | | | | | | | | | |
| *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 | - | - | - | - | - | - | - | - | - | - | 0 | Substituted by MATH 2411 |
| 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 | |
| | | 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 IB | 3 | | | | | | | | | | | | |
| MATH | 1020 | Accelerated Calculus | 4 | | | | | | | | | | | | |
| MATH | 1023 | Honors Calculus I | 3 | | | | | | | | | | | | |
| | | **Required credits for School Requirements** | 39-40 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 2 | 0 | 2 | 29 | |
| *Major Required Courses and Electives* | | | | | | | | | | | | | | | |
| GBUS | 1000 | Global Leadership Development | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| GBUS | 2010 | Global Business Analysis | 3 | | | | | | 3 | | | | | 3 | |
| | | Note: GBUS 2040 OR SMBT 2100-2110 | 1-4 | | | | | | | | | | | | |
| GBUS/SBMT | 2040 | Environmental, Social, and Governance (ESG) Corporate Project | 1 | | | | | | 1 | [1] | | | | 1 | |
| SBMT | 2100-2110 | Community Services Project | 4 | | | | | | | | | | | | |
| | | Note: GBUS 3030 OR ISOM 4780 | 3-4 | | | | | | | | | | | | |
| GBUS/ISOM | 3030 | Global Business Case Studies | 4 | | | | | | 3 | [3] | | | | 3 | |
| GBUS | | Integrated Planning and Execution | 3 | | | | | | | | | | | | |
| ISOM | 4780 | | | | | | | | | | | | | | |
| GBUS | 4910 | Capstone Project | 4 | | | | | | | | 4 | [4] | | 4 | |
| GBUS | | Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each area and at least 2 courses must be offered by GBUS. Courses taken to fulfill requirements of an additional major in SBM may not be counted towards this elective requirement.) | 15 | | | | | | | 6 | 3 | 6 | | 15 | |
| | | **Required Credits for Major Required Courses and Electives** | 26-30 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 6 | 7 | 6 | 26 | |
| **Additional Requirement 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 | | | | | 3 | |
| | | **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 | 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 | 4 | 5 | 0 | 0 | 6 | 0 | 6 | 3 | 3 | 3 | 30 | |
| | | Term load (excl. free credits) | | 16 | 17 | 15 | 19 | 15 | 17 | 18 | 17 | 16 | 17 | **167** | |
| | | | | | | | | 167## | | | | | | | |

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.