# The Hong Kong University of Science and Technology
## Interdisciplinary Programs Office
An Example on Student's Pathway

**DAGBUS** **2021-22 Intake**
(Via DDP PBA)

<< Declaration of BEng major  << Declaration of BBA major

| School: | School of Engineering and School of Business Management | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Program:** | **Dual Degree Program (BEng in Decision Analytics 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 Decision Analytics
### Major Requirements
#### Engineering Fundamental Courses

| Dept | Code | Title | Credits | Y1F | Y1S | Y2F | Y2S | Y3F | Y3S | Y4F | Y4S | Y5F | Y5S | Sub-total | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COMP COMP COMP COMP | 1021 1022P 2011 2012H | Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H / Introduction to Computer Science / Introduction to Computing with Java / Programming with C++ / Honors Object-Oriented Programming and Data Structures | 3-5 / 3 / 3 / 4 / 5 | | | 3 | | | | | | | | 3 | Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020 |
| ENGG | 1010 | Academic Orientation | 0 | 0 | 0 | | | | | | | | | 0 | |
| CHEM CHEM PHYS PHYS | 1010 1020 1112 1312 | Note: CHEM1010 OR CHEM1020 OR PHYS1112 OR PHYS1312 / General Chemistry IA / General Chemistry IB / General Physics I with Calculus / Honors General Physics I | 3 / 3 / 3 / 3 | 3 | | | | | | | | | | 3 | |
| LANG | 2030 | Technical Communication I | 3 | - | - | - | - | - | - | - | - | - | - | 0 | Waived for DDP students |
| MATH MATH MATH MATH MATH MATH | 1012 1013 1014 1020 1023 1024 | Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] / Calculus IA / Calculus IB / Calculus II / Accelerated Calculus / Honors Calculus I / Honors Calculus II | 4-7 / 4 / 3 / 3 / 4 / 3 / 3 | 3 | 3 | | | | | | | | | 6 | |
| MATH | 2011 | Introduction to Multivariable Calculus | 3 | | | | 3 | | | | | | | 3 | |
| MATH | 2111 | Matrix Algebra and Applications | 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** | 22-27 | | | | | | | | | | | 18 | |

#### Major Required Courses and Electives

| Dept | Code | Title | Credits | Y1F | Y1S | Y2F | Y2S | Y3F | Y3S | Y4F | Y4S | Y5F | Y5S | Sub-total | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IEDA | 1010 | Academic and Professional Development I | 0 | | | 0 | 0 | | | | | | | 0 | |
| IEDA | 1020 | Academic and Professional Development II | 0 | | | | | 0 | 0 | | | | | 0 | |
| IEDA | 1901 | Industrial Training and Experience | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| IEDA | 2520 | Probability for Engineers | 3 | | | 3 | | | | | | | | 3 | |
| IEDA | 2540 | Statistics for Engineers | 3 | | | | 3 | | | | | | | 3 | |
| IEDA | 3010 | Prescriptive Analytics | 3 | | | | | 3 | | | | | | 3 | |
| IEDA | 3230 | Engineering Economics and Accounting | 3 | | | | 3 | | | | | | | 3 | |
| IEDA | 3250 | Stochastic Models | 3 | | | | | | 3 | | | | | 3 | |
| IEDA | 3300 | Industrial Data Systems | 3 | | | 3 | | | | | | | | 3 | |
| IEDA | 3560 | Predictive Analytics | 3 | | | | | | 3 | | | | | 3 | |
| IEDA IEDA | 4901 4920 | Note: IEDA4901 OR IEDA4920 / Final Year Thesis / Decision Analytics Final Year Project | 6 / 6 | | | | | | | | | 3 | 3 | 6 | |
| ENGG | 2010 | Engineering Seminar Series | 0 | | | 0 | 0 | 0 | 0 | | | | | 0 | |
| ECON ECON | 2103 2113 | Note: ECON2103 OR ECON2113 / Principles of Microeconomics / Microeconomics | 3 / 3 | | | 3 | | | | | | | | 3 | |
| LANG | 4032 | Technical Communication II for IEDA and ISDN | 3 | | | | | | 3 | | | | | 3 | |
| IEDA | | Area Electives (5 courses from the specified elective list, of which all 5 courses should be taken from the same area) | 15 | | | | | | 3 | 6 | 3 | 3 | | 15 | |
| | | **Required credits for Major Required Courses and Electives** | 48 | | | | | | | | | | | 48 | |

## BBA in Global Business
### School Requirements

| Dept | Code | Title | Credits | Y1F | Y1S | Y2F | Y2S | Y3F | Y3S | Y4F | Y4S | Y5F | Y5S | Sub-total | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ACCT | 2010 | Principles of Accounting I | 3 | 3 | | | | | | | | | | 3 | |
| ACCT | 2200 | Principles of Accounting II | 3 | | 3 | | | | | | | | | 3 | |
| ECON ECON | 2103 2113 | Note: ECON 2103 OR ECON 2113 / Principles of Microeconomics / Microeconomics | 3 / 3 | | | (3) | | | | | | | | 0 | |
| ECON ECON | 2123 3123 | Note: ECON 2123 OR ECON 3123 / Macroeconomics / Macroeconomic Theory I | 3 / 3 | | | | 3 | | | | | | | 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 | | | | | | | | | | | 0 | Substituted by IEDA 2540 |
| 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 | Waived for DDP students |
| LABU | 2040 | Business Case Analyses | 3 | - | - | - | - | - | - | - | - | - | - | 0 | Waived for DDP students |
| LABU | 2060 | Effective Communication in Business | 3 | | | | | | 3 | | | | | 3 | |
| MATH MATH MATH MATH MATH | 1003 1012 1013 1020 1023 | Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 / Calculus and Linear Algebra / Calculus IA / Calculus IB / Accelerated Calculus / Honors Calculus I | 3-4 / 3 / 4 / 3 / 4 / 3 | (3) | | | | | | | | | | 0 | DDP students should take MATH 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees |
| | | **Required credits for School Requirements** | 43-44 | | | | | | | | | | | 29 | |

### Major Requirements
#### Major Required Courses and Electives

| Dept | Code | Title | Credits | Y1F | Y1S | Y2F | Y2S | Y3F | Y3S | Y4F | Y4S | Y5F | Y5S | Sub-total | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GBUS | 1000 | Global Leadership Development | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| GBUS | 2010 | Global Business Analysis | 3 | | | | | | 3 | | | | | 3 | |
| GBUS | 2020 | Public Service Project | 1 | | | | | | 1 | [1] | | | | 1 | |
| GBUS/ISOM GBUS ISOM | 3030 2040 | Note: GBUS 3030 OR ISOM2040 / Global Business Case Studies / Business Simulation and Strategic Decisions | 3-4 / 4 / 3 | | | | | | | 4 | [3] | | | 4 | |
| 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** | 26-27 | | | | | | | | | | | 27 | |

## Additional Requirements
### Requirements for Dual Degree Program
#### Required Courses

| Dept | Code | Title | Credits | Y1F | Y1S | Y2F | Y2S | Y3F | Y3S | Y4F | Y4S | Y5F | Y5S | Sub-total | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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

| Dept | Code | Title | Credits | Y1F | Y1S | Y2F | Y2S | Y3F | Y3S | Y4F | Y4S | Y5F | Y5S | Sub-total | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CORE | C3 - C12 | U CORE - Others | 30 | 3 | 3 | 3 | | 9 | | 3 | 3 | | 6 | 30 | |
| CORE | C1 & C2 | U CORE - English Language | 6 | 3 | 3 | | | | | | | | | 6 | |
| | | **Sub-total for University CORE** | 36 | | | | | | | | | | | 36 | |

**Term load (excl. free credits)**

| | | | | 15 | 18 | 18 | 18 | 18 | 16 | 15 | 15 | 17 | 15 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**165##**

<< Declaration of BEng major  << Declaration of BBA major

**Notes:**

( ) indicates the reuse of the same course to fulfill more than one requirement.

--- denotes the course/requirement is either waived or substitued

## To graduate, students should complete all requirements 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.