The Hong Kong University of Science and Technology Interdisciplinary Programs Office

An Example on Student's Pathway (as of July 11, 2022)

School of Engineering and School of Business Management

<< Declaration of BSc major << Declaration of BBA major

Student's Pathway

IDECON 2021-22 Intake (Via DDP PBA)

| School: | | School of Engineering and School of Business Management | | Student's Pathway | | | | | | | | | | | |
|----------------------------------|-----------------------------|---|--|-------------------|---------------|--|---------------|--|--|--|---------------|--|---------------|------------|---|
| Program: | | Dual Degree Program (BSc in Integrative Systems and Design and BBA in Econom | nics) | | | | | | | | | | | | |
| | | | | | ~ | 1 | ~ | | ~ | | ~ | | ~ | | 1 |
| Course | | | 0 | Year | /ear 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 |
| Offering Dept. | Course Code | Course Title / Courses List | Credits | r 1 Fall | 1 Sp | r 2 F | 2 Sp | r 3 F | 3 Sp | r 4 F | 4 Sp | r 5 F | 5 Sp | o-to | |
| course code prefix) | | | ίδ. | <u>a'</u> | oring | <u> </u> | oring | <u>છ</u> | oring | <u>a'</u> | oring | <u>a</u> | oring | t <u>a</u> | |
| 20 - ! !4 | -4: 04 | a and Daging | | | | | | | | | | | | | |
| 35c in integr | ative System | s and Design | | | | | | | | | | | | | |
| Major Requirem | | | | | | | | | | | | | | | |
| ingineering Funda | imental Courses | Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H | 0.5 | П | 1 | | | _ | 1 | 1 | | | 1 | | |
| OMP | 1021 | Introduction to Computer Science | 3-5 3 | | | ļ | | ļ | | | | | | | Students should take COMP10 |
| OMP | 1022P | Introduction to Computing with Java | 3 | 3 | | I | | l | | | | | | 3 | which will also be used to subs |
| COMP | 2011 | Programming with C++ | 4 | | | i | | I | | | | | | | ISOM 2010 and to waive ISOM 2 |
| OMP | 2012H | Honors Object-Oriented Programming and Data Structures | 5 | | | 1 | | ! ! | | | | | | | |
| NGG | 1010 | Academic Orientation | 0 | 0 | 0 | ļ | | <u></u> | | | | | | 0 | |
| ANG | 2030 | Technical Communication I | 3 4-7 | | | i — | | i – | _ | _ | - | _ | _ | 0 | Waived for DDP students |
| | | Note: [MATH 1012 OR MATH 1013 OR MATH 1023 AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] (Subject to approval of the program office, MATH 1014/1024 may be replaced by | | | | i | | : | | | | | | | |
| | | a COMP course) | | | | ! | | | | | | | | | |
| ATH | 1012 | | | | | Į | | | | | | | | | |
| ATH | 1013 | Calculus IA | 4 | 3 | 3 | i | | İ | | | | | | 6 | |
| IATH IATH | 1014 1020 | Calculus IB Calculus II | 3 | | | : | | I | | | | | | | |
| ATH | 1023 | Accelerated Calculus | 4 | | | 1 | | ! ! | | | | | | | |
| ATH | 1024 | Honors Calculus I | 3 | | | ļ | | <u></u> | | | | | | | |
| 111/0 | 4004 | Note: PHYS1001 OR PHYS1111 OR PHYS1112 OR PHYS1312 | | | | Ī | | ĺ | | | | | | | |
| HYS HYS | 1001 1111 | Physics and the Modem Society General Physics I | 3 | | 3 | i | | | | | | | | 3 | |
| HYS | 1112 | General Physics I with Calculus | 3 | | 3 | ļ | | <u> </u> | | | | | | 3 | |
| HYS | 1312 | Honors General Physics I | 3 | | | I | | l | | | | | | | |
| | | Required credits for Engineering Fundamental Courses | 13-18 | | | i | | i | | | | | | 12 | |
| | urses and Electives | 3 | | | | | | | | | | | | | |
| DN | 1002 | Redefining Problems for the Real Needs | 3 | - | | 3 | 1 | <u>!</u> | ļ | | 1 | <u> </u> | | 3 | |
| SDN SDN | 1004 | Sketching Human centered Innovation | 1 | | 1 | 1 | - | <u> </u> | <u> </u> | - | 1 | | | 1 | |
| SDN | 1006 2001 | Human-centered Innovation Second Year Design Project I | 3 | | | 1 | 3 | 1 | 1 | - | + | | 1 | 3 1 | + |
| DN | 2001 | Second Year Design Project I | 4 | 1 | + | • | + | - ' | 4 | | + | | | 4 | 1 |
| BDN | 2200 | Systems Thinking and Design | 3 | 1 | | 3 | 1 | | <u> </u> | | 1 | | | 3 | 1 |
| SDN | 2300 | Digital Design | 3 | | 1 | 3 | 1 | | | | 1 | | | 3 | |
| DN | 2400 | Physical Prototyping | 3 | | | <u> </u> | | <u>. </u> | 3 | | | | | 3 | |
| DN | 3001 | Third Year Design Project I | 4 | | | | | | | 4 | | | | 4 | |
| DN | 3002 | Third Year Design Project II | 4 | | | ! | 1 | <u> </u> | | | 4 | | | 4 | |
| DN | 4001 | Final Year Design Project I | 5 | | | <u>i — </u> | | <u> </u> | | | | 5 | | 5 | |
| DN | 4002 | Final Year Design Project II | 5 | | | 1 | | <u>.</u> | | | | | 5 | 5 | |
| ANG | 4032 | Technical Communication II for IEDA and ISDN Design Electives (5 credits from the specified elective list) | 3 | - | | ! | | <u> </u> | 1 | 3 | | | | 3 | DDD 4 1 4 11 100110 |
| DN/ENGG/IEDA DN/ENTR/IEDA/SBM | | Product Management and Entrepreneurship Electives (9 credits from the specified elective | | | | Į | | <u> </u> | | | | | | | DDP students could use ISOM 2 and MARK 2120 to satisfy part of |
| DIN/EINTIVIEDA/3DIW | | list) | 36 | | | i | 5 | 3 | 3 | 3 | 7 | 3 | 6 | 30 | requirement of Product Manager |
| DN | | Project-related Electives (22 credits from the specified elective list. Students should seek | | | | i | | | | | | | | | and Entrepreneurship Elective |
| | F | Required credits for Major Requirements Courses and Electives | 78 | | | ! | | | | | | | | 72 | |
| BBA in Econ | omics | · · · · · · · · · · · · · · · · · · · | | | • | | • | | • | • | • | • | • | • | • |
| School Require | | | | | | | | | | | | | | | |
| сст | 2010 | Principles of Accounting I | 3 | 1 | | 3 | | : | | | | | | 3 | |
| CCT | 2200 | Principles of Accounting II | 3 | | | + | | | 3 | | | | | 3 | |
| | | Note: ECON 2103 OR ECON 2113 | | | | 1 | | | | | | | | | |
| CON | 2103 | Principles of Microeconomics | 3 | | | 3 | | i | | | | | | 3 | |
| CON | 2113 | Microeconomics | 3 | | | ! | | - | 1 | | | | | | ECON 2103 / 2113 / 2123 is a m |
| ECON | 2123 | Note: ECON 2123 OR ECON 3123 Macroeconomics | 3 | | | ļ | | 3 | | | | | | 3 | pre-requisite |
| CON | 3123 | Macroeconomic Theory I | 3 | | | Î | | Ĭ | | | | | | 3 | |
| INA | 2303 | Financial Management | 3 | | | 1 | 3 | ; | | | | | | 3 | |
| SOM | 2010 | Introduction to Information Systems | 3 | T | _ | ! - | _ | <u> </u> | _ | _ | _ | _ | _ | 0 | Substituted by COMP 1021/102 |
| JOW | 2010 | integration to information systems | | | | <u> </u> | | <u> </u> | | | | | | | 2011/ 2012H |
| SOM | 2020 | Coding for Business | 1 | | _ | i _ | _ | i _ | | _ | _ | _ | _ | 0 | Waived for DDP students if the have taken and passed COMP 1 |
| SOW | 2020 | Couling for Business | ' | | | • | | | _ | _ | _ | _ | _ | 0 | or COMP 1029P |
| SOM | 2500 | Business Statistics | 3 | | | 3 | | : | | | | | | 3 | |
| SOM | 2600 | Introduction to Business Analytics | 1 | | | l | | 1 | | | | | | 1 | |
| SOM | 2700 | Operations Management | 3 | | | i | | | | | | 3 | | 3 | |
| IARK | 2120 | Marketing Management | 3 | | | 1 | 3 | <u> </u> | | | | | | 3 | |
| IGMT | 2010 | Business Ethics and the Individual | 2 | | | 1 | 2 | <u> </u> | | | | | | 2 | |
| MGMT MGMT | 2110 2130 | Organizational Behavior | 3 | | 1 | <u> </u> | 3 | | 1 | | + | | | 3 | |
| MGMT SBMT | 2130 1111 | Business Ethics and Social Responsibility Business Student Induction | 0 | | _ | <u> </u> | _ | 2 | | _ | <u> </u> | _ | _ | 0 | Waived for DDP students |
| ABU | 2040 | Business Student Induction Business Case Analyses | 3 | | _ | <u> </u> | | <u> </u> | - | _ | _ | _ | | 0 | Waived for DDP students Waived for DDP students |
| ABU | 2060 | Effective Communication in Business | 3 | -ll | | 1 | 1 | | | | 3 | <u> </u> | | 3 | |
| | | Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 | 3-4 | | 1 | I | 1 | | | | 1 | | | | DDD attribute 1 11111 |
| IATH | 1003 | Calculus and Linear Algebra | 3 | | | i | | I | | ĺ | | Ì | | Ì | DDP students should take MAT 1012 or MATH 1013 or MATH 102 |
| IATH | 1012 | Calculus IA | 4 | (3) | | ! | | | | ĺ | | Ì | | 0 | MATH 1023 to satisfy the |
| IATH | 1013 | Calculus IB | 3 | (5) | | Į. | | ļ | 1 | | | 1 | | 1 | requirements of both BEng and B |
| IATH IATH | 1020 1023 | Accelerated Calculus Honors Calculus I | 4 3 | | | į | | Ī | | ĺ | | Ì | | Ì | degrees |
| | 1 | Required credits for School Requirements | | | | i | + | . | 1 | 1 | + | <u> </u> | <u> </u> | 35 | |
| Major Requirem | nents | | 1~ | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | |
| | urses and Electives | 3 | | | | | | | | | | | | | |
| CON | 3014 | Managerial Microeconomics | 4 | | | | | 4 | | | | | | 4 | |
| CON | 3024 | Managerial Macroeconomics | 4 | 1 | | i | 1 | · · | 4 | | 1 | † | | 4 | |
| CON | 3334 | Introduction to Econometrics | 4 | 1 | | 1 | + | <u> </u> | | 4 | + | | | 4 | |
| CON | 4670 | Economics Research and Communication | 0 | ╂ | 1 | 1 | 1 | ! | 1 | - | + | 0 | | 0 | 1 |
| | .0.0 | | | | | 1 | 1 | <u>.</u> I | 1 | 1 | 4 | | 2 | | + |
| CON | <u> </u> | ECON 4000-level Electives (Any 3 courses of the subject and level as specified) | 11 | - | 1 | ! | 1 | <u>. </u> | 1 | 1 | 4 | 4 | 3 | 11 | 1 |
| | | Required credits for Major Required Courses and Electives | 23 | | | <u>i </u> | 1 | <u>!</u> | l | <u> </u> | 1 | l | | 23 | <u> </u> |
| | equirements | | | | | | | | | | | | | | |
| | or Dual Degree | Program | | | | | | | | | | | | | |
| Required Courses | | | _ | | | | _ | | 1 | 1 | _ | 1 | _ | | |
| EMG | 1010 | T&M Professional Activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ļ |
| EMG | 3950 | T&M Case Analysis and Product Innovation | 3 | | 3 | 1 | 1 | 1 | - | | 1 | ! | | 3 | 1 |
| EMG | 4950 | T&M Corporate Consulting Project | 3-5 | _ | | ļ | | 4 | <u> </u> | | | | <u> </u> | 4 | |
| | | Required credits for Additional Requirements | 7 | | | <u>. </u> | | | | | | | | 7 | |
| niversity COR | | | | | | | | | | | | | | | |
| DRE | C3 - C12 | U CORE - Others | 30 | 9 | 6 | į | 1 | ļ | 3 | 6 | 1 | 3 | 3 | 30 | |
| DRE | C1 & C2 | U CORE - English Language | 6 | 3 | 3 | 1 | 1 | <u> </u> | 1 | <u> </u> | 1 | | | 6 | |
| | | Sub-total for University CORE | 36 | 4 | | 1 | 1 | I Tarri | L C | <u> </u> | 1 | Ь | ļ | 36 | <u>I</u> |
| | | | | 10 | 40 | 40 | | | xcl. free cred | | 40 | 40 | 47 | 1 | |
| | | | | 18 | 18 | 19 | 19 | 18 1 | 20 85## | 20 | 18 | 18 | 17 | 1 | |
| | | | 185## << Declaration of < Declaration of | | | | | | | | 1 | | | | |
| tes: | | | | | | BSc majo | | BBA majo | | | | | | | |
| indicates the reuse of the | he same course to fulfill m | ore than one requirement. | | | | • | | = | | | | | | | |
| 0 | | | | | | | | | | | | | | | |

- * Courses offered in winter term
- --- denotes the course/requirement is either waived or substituted
- $\hbox{\it ## To graduate, students should complete all requirements as specified for DDP.}$

**Remarks on course(s):

School:

>> 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.