

COFINA 2023-24 Intake (Via DDP PBA)

| | << Declaration of BEng major 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 Finance) | | | | | | | | | | | | | |
| | | | | <u> </u> | Ye | | Ye | | Ye | × | Ye | × | Ye | (0 | Remarks |
| 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 | |
| BEng in Co | moutor Scio | | | | Bı | i – | Bı | | Ðı | | DI | | Bı | | |
| Major Require | mputer Scie | lice | | | | | | | | | | | | | |
| Engineering Fund | | | | | | | | | | | | | | | |
| COMP | 1021 | Note: COMP1021 OR COMP1022P Introduction to Computer Science | 3 | 3 | | | | | | | | | | 3 | Students should take COMP1021 which will also be used to substitute |
| COMP | 1022P | Introduction to Computer Science Introduction to Computing with Java Note: CHEM1008 OR CHEM1020 OR LIFS1901 | 3 | 5 | | | | ¦ + | | | | | | | ISOM 2010 and to waive ISOM 2020 |
| CHEM | 1008 | OR PHYS1101 OR PHYS1112 OR PHYS1312 Introductory Chemistry | 3 | | | i | | i | | | | | | | |
| CHEM | 1020 1901 | General Chemistry I General Biology I | 3 | 3 | | i | | i | | | | | | 3 | |
| PHYS PHYS | 1101 1112 | Introductory Physics General Physics I with Calculus | 4 | | | i | | i | | | | | | | |
| PHYS LANG | 1312 2030 | Honors General Physics I Technical Communication I | 3 | | | | | | | | | | | 0 | Waived for DDP students |
| 2410 | | Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] | 4-7 | | | 1 | | <u> </u> | | | | | | Ū | |
| MATH MATH | 1012 1013 | Calculus IB | 4 3 | | | i i | | i i | | | | | | | |
| МАТН МАТН | 1014 1020 | Calculus II Accelerated Calculus | 3 4 | 3 | 3 | i | | İ | | | | | | 6 | |
| MATH | 1023 1024 | Honors Calculus I Honors Calculus I | 3 | | | i | | į | | | | | | | |
| матн | 2111 | Note: MATH 2111 OR MATH 2121 OR MATH 2131 Matrix Algebra and Applications | 2.4 | | | 3 | | i | | | | | | 3 | |
| MATH MATH | 2121 2131 | Linear Algebra Honors in Linear and Abstract Algebra I | 3-4 | | | ° | | ļ | | | | | | 3 | |
| SENG | | Engineering Introduction course (COMP students may also use COMP1022P to fulfill this requirement) | 3-4 | (3) | | ļ | | | | | | | | 0 | |
| Major Required C | ourses and Electiv | Required credits for Engineering Fundamental Courses | 19-23 | | | L | | L | | | | | | 15 | |
| | | Note: (COMP2011 AND COMP2012) OR COMP2012H | 5-8 | | | - | | 1 | | | | | | | |
| COMP COMP | 2011 2012 2012 | Programming with C++ Object-Oriented Programming and Data Structures Hancer Object Oriented Programming and Data Structures | 4 | | | 4 | 4 | ! | | | | | | 8 | |
| COMP COMP | 2012H 2611 | Honors Object-Oriented Programming and Data Structures Computer Organization | 5 4 | | 1 | ţ | 1 | <u>!</u> | 4 | | | | | 4 | |
| COMP | 2711 | Note: COMP2711 OR COMP2711H Discrete Mathematical Tools for Computer Science | 4 | | | 4 | | | | | | | | 4 | |
| COMP | 2711H | Honors Discrete Mathematical Tools for Computer Science Note: COMP3111 OR COMP3111H Software Evaluation | 4 | | | <u> </u> | | 4 | | | | | | 4 | |
| COMP COMP | 3111 3111H | Software Engineering Honors Software Engineering | 4 | | | <u>!</u> | | 4 | | | | | | | |
| COMP | 3511 | Operating Systems Note: COMP3711 OR COMP3711H | 3 3-4 | · · · · · · · · · · · · · · · · · · · | | <u> </u> | | <u> </u> | | 3 | | | | 3 | |
| COMP COMP | 3711 3711H | Design and Analysis of Algorithms Honors Design and Analysis of Algorithms | 3 4 | | | | | 3 | | | | | | 3 | |
| 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 | |
| | | Note: [COMP 1991 AND (COMP 4981 OR COMP 4981H)] OR [COMP 4910] | 6 | | | | | ! | | | | | | | |
| COMP | 1991 4981 | Industrial Experience Final Year Project | 0 6 | | | 1 | | ! | | | | 3 | 3 | 6 | |
| COMP COMP ELEC/IEDA/MATH | 4981H 4910 | Final Year Thesis Co-op FYP Program Note: ELEC 2600 OR ELEC 2600H OR IEDA 2520 OR IEDA 2540 OR MATH 2411 OR | 6 6 | | | | | ¦ | | | | | | | |
| ELECTEDAWATT | | MATH 2421 OR MATH 2431 | 3-4 | | | - | | | | | | | | | |
| ELEC | 2600 2600H | Probability and Random Processes in Engineering Honors Probability and Random Processes in Engineering | 4 4 | | | 1 | | | | | | | | | Students should take MATH 2411 |
| IEDA | 2520 2540 | Probability for Engineers Statistics for Engineers | 3 3 | | | 4 | | | | | | | | 4 | which will also be used to substitute ISOM 2500. |
| MATH | 2411 2421 | Applied Statistics Probability | 4 4 | | | i | | i | | | | | | | |
| MATH ENGG | 2431 2010 | Honors Probability Engineering Seminar Series | 4 | | | 0 | 0 | 0 | 0 | | | | | 0 | |
| LANG | 4030 | Technical Communication II for CSE, CPEG & DSCT | 3 | | | Ů | Ŭ | | - | | | 3 | | 3 | |
| | | 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) | | | | i | | i | | | | | | | |
| COMP | | 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 | 15 | | | i | | i | | 3 | 6 | 3 | 3 | 15 | |
| COMP | | requirement.) COMP 2000-level or above Elective (Any course(s) of the subject and level as specified) | 3 | · · · · · · · · · · · · · · · · · · · | | i — | 3 | i | | | | | | 3 | |
| | Re | quired credits for Major Requirements Courses and Electives | 53-58 | | | i | | <u> </u> | | | | | | 57 | |
| BBA in Fina | | | | | | | | | | | | | | | |
| School Requi | | Particular of Accounting 1 | 0 | n | 1 | | 1 | | | | 1 | 1 | 1 | | Т |
| ACCT ACCT | 2010 2200 | Principles of Accounting I Principles of Accounting II | 3 | | | 3 | | i — | 3 | | | | | 3 | |
| ECON | 2103 | Note: ECON 2103 OR ECON 2113 Principles of Microeconomics | 3 | | | i | 3 | i i | | | | | | 3 | |
| ECON | 2113 | Microeconomics Note: ECON 2123 OR ECON 3123 | 3 | | | i – | | <u>i</u> — | | | | | | | |
| ECON ECON | 2123 3123 | Macroeconomics⊡ Macroeconomic Theory I | 3 3 | | | Í | | 3 | | | | | | 3 | |
| FINA | 2303 | Financial Management | 3 | | | | 3 | | | | | | | 3 | FINA 2303 is a major pre-requisite |
| 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 COMP1021 |
| ISOM | 2500 | Business Statistics | 3 | | | | | | | | | | | 0 | or COMP 1029P Substituted by MATH 2411 |
| ISOM | 2600 2700 | Introduction to Business Analytics | 1 | | | ļ — | 1 | Į | | 0 | | | | 1 | |
| ISOM MARK | 2700 2120 | Operations Management Marketing Management | 3 | 3 | | <u>+</u> | | <u> </u> | | 3 | | | | 3 | |
| MGMT | 2010 | Business Ethics and the Individual | 2 | | | ! | | ļ | | | 2 | | | 2 | |
| MGMT MGMT | 2110 2130 | Organizational Behavior Business Ethics and Social Responsibility | 3 | | 3 | ! | + | | | | | | 2 | 3 | + |
| | | Note: LANG 2061 OR 2062 OR 3060 | | | | ! | | ! | | | | | | | Non DDP-ECON students take ONLY a 3-credit of SBM-specific |
| LANG | 2061 2062 | Professional Writing for the Workplace Professional Speaking for the Workplace | 3 3 | | 1 | ! | 1 | ! | | | | 3 | | 3 | English course, in which they can choose from one of the three LANG |
| | 3060 | Advanced Academic Writing | 3 | | | <u> </u> | | <u> </u> | | | | | | | courses (LANG 2061, LANG 2062, or LANG 3060). |
| матн | 1003 | Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra | 3-4 3 | | | ! | | | | | | | | | DDP students should take MATH |
| MATH MATH MATH | 1012 1013 | Calculus IB Calculus IB | 3 4 3 | (3) | 1 | ! | 1 | | | | | 1 | | 0 | 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the |
| MATH MATH MATH | 1013 1020 1023 | Accelerated Calculus Honors Calculus | 3 4 3 | | | ! | | ! | | | | | | | requirements of both BEng and BBA degrees |
| m/5111 | 1020 | Required credits for School Requirements | | | | <u> </u> | | <u> </u> | | L | | | | 32 | <u> </u> |
| Major Requirements | | | | | | | | | | | | | | | |
| | ourses and Electiv | | 4 | | | | 1 | | | | | | | 4 | 1 |
| FINA | 3001 3103 | Key Skills for Finance Professionals (A) Intermediate Investments | 1 | | + | i – | + | 1 3 | | | | 1 | | 1 | + |
| FINA | 3203 | Derivative Securities | 3 | | | 1 | | | 3 | | | | | 3 | |
| FINA | 3303 | Intermediate Corporate Finance | 3 | | | ! | | | | 3 | | | | 3 | |
| FINA | 3810 | Bloomberg Market Concepts Certification Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030 | 0 3-6 | ∥ | 1 | i | | 0 | L | L | | | | 0 | ļ |

| | | Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030 | 3-6 | | | i | | | | | | | | | |
|-------------------|-------------------------|---|-------|----|----|------------|-----------|---------------|---------------|------|----|----|----|----------|-------------------------------------|
| ACCT | 3010 | Financial Accounting I | 3 | | | 1 | | : | | 3 | | | | 3 | |
| ACCT | 3020 3030 | Financial Accounting II | 3 | | | ! | | 1 | | - | | | | - | |
| ACCT | 3030 | Intermediate Financial Accounting for Non-Accounting Majors Note: ISOM 3230 OR ISOM 3400 | 3 | | | <u> </u> | | -i | | | | + | | <u> </u> | If DDP students took COMP 1021 in |
| ISOM | 3230 | Business Programming in VBA | 3 | | | | | 1 | 3 | | | | | 3 | BEng requirement, they are required |
| ISOM | 3400 | Business Applications Development in Python | 3 | | | 1 | | Î. | - | | | | | - | to enroll ISOM 3230. |
| FINA | | FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified) | 9 | | | i – | | 1 | | | 3 | 3 | 3 | 9 | |
| | | Required credits for Major Required Courses and Electives | 25-28 | | | 1 | | 1 | | | | | | 25 | |
| Addition | al Requirem | ents | | | | | | | | | | - | | | |
| Requirem | ents for Dual D | Degree Program | | | | | | | | | | | | | |
| Required Co | urses | | | | | | | | | | | | | | |
| 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 | 1 | | 1 | | | | | | 3 | |
| TEMG | 4950 | T&M Corporate Consulting Project | 3-5 | | | 1 | | 4 | | | | | | 4 | |
| | | Required credits for Additional Requirements | 7 | | | Į. | | 1 | | | | | | 7 | 1 |
| University | CORE | · · · · · · | | | | | | | | | | 4 | - | | |
| CORE | C3 - C9 | U CORE - Others | 21 | | 3 | i | 3 | i | 3 | | 6 | | 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 | ļ | | 1 | | | | 1 | | 3 | |
| | | Sub-total for University CORE | 30 | | | I | | 1 | | | | 1 | | 30 | |
| | | • | | | • | | 1 | Ferm load (ex | cl. free cred | its) | • | | | | • |
| | | | | 16 | 17 | 18 | 17 | 18 | 16 | 15 | 17 | 15 | 17 | | |
| | | 166## | | | | | | | | | | | | | |
| Neter. | | | | | | << Decla | ration of | << Decla | ration of | | | - | | | |
| Notes: | | | | | | BEng major | | | or | | | | | | |
| () indicates the | reuse of the same cour | rse to fulfill more than one requirement. | | | | - | | - | | | | | | | |
| denotes the o | course/requirement is e | ither waived or substituted | | | | | | | | | | | | | |
| ## To graduate. | , students should comp | lete all requirements as specified for DDP. | | | | | | | | | | | | | |
| **Remarks on cour | | | | | | | | | | | | | | | 1 |
| | · / | | | | | | | | | | | | | | |
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>> 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.