The Hong Kong University of Science and Technology **Interdisciplinary Programs Office**

An Example on Student's Pathway (as of July 22, 2022)

CEGBUS 2022-23 Intake

(Via DDP PBA)

<< Declaration of << Declaration of BEng major BBA major School of Engineering and School of Business Management School: Student's Pathway Oual Degree Program (BEng in Chemical Engineering and BBA in Global rogram: Year 3 Spring Remarks course Offering Dept. course code prefix) Course Code Course Title / Courses List BEng in Chemical Engineering **Major Requirements** Engineering Fundamental Courses Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H Students should take COMP1021 troduction to Computer Science which will also be used to substitut OMP ntroduction to Computing with Java ISOM 2010 and to waive ISOM rogramming with C++ 2020 COMP 2012H Honors Object-Oriented Programming and Data Structures 3 3 3 LANG Waived for DDP students 2030 echnical Communication I Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND 0 MATH 1014 OR MATH 1024)] OR [MATH 1020] MATH 1012 alculus IA MATH 1013 1014 6 3 3 MATH alculus II MATH 1020 Accelerated Calculus MATH 1023 onors Calculus I MATH 1024 lonors Calculus II troduction to Multivariable Calculus 3 3 PHYS 1112 3 3 18 Major Required Courses and Electives Note: CENG1000 OR CENG1500 ntroduction to Chemical and Biological Engineering A First Course on Materials Science and Applications Note: CENG1600 OR CENG1700 OR BIEN1010 3 CENG 1500 iotechnology and Its Business Opportunities troduction to Environmental Engineering troduction to Biomedical Engineering ENG 3 3 BIEN 0 cademic and Professional Development I 0 ENG ndustrial Training 0 0 ocess and Product Design Principles 3 3 ENG hemical and Biological Engineering Thermodynami 2210 3 3 ransport Phenomena I 3 3 CENG 2310 Modeling for Chemical and Biological Engineering 3 3 Process Dynamics and Control CENG 3110 3 3 3 ntegrated Chemical Process & Product Design 5 5 CENG 3210 eparation Processes 3 3 CENG 3220 Heat and Mass Transfer 3 3 3 CENG 3230 Chemical and Biological Reaction Engineering 3 3 ENG hemical and Environment Engineering Laborate Academic and Professional Development II CENG 4020 0 0 Academic and Professional Development II

Note: CENG 4920 OR CENG 4930 OR CENG 4940

aking the Research Option must take CENG 4930)

Chemical Engineering Capstone Design

Chemical Engineering Thesis Research CENG CENG ENGG 2010 Engineering Seminar Series 0 НЕМ aboratory for General Chemistry I CHEM 2111 undamentals of Organic Chemistry 3 3 HEM 2155 undamental Organic Chemistry Laboratory 1 1 echnical Communication II for Chemical and Biological Engineering lote: BIEN2410 OR BIEN2610 OR LIFS1901 ANG BIEN cellular and Systems Physiology for Engineers 3 3 hemical Biology for Engineers Seneral Biology I SENG/SSCI/ENVR CENG Elective (12 credits from specified elective list) 12 12 Required credits for Major Requirements Courses and Electives 68 68 BBA in Global Business School Requirements Principles of Accounting I 3 Principles of Accounting II
Note: ECON 2103 OR ECON 2113
Principles of Microeconomics 3 3 CON 2113 icroeconomics ote: ECON 2123 OR ECON 31 3 2123 3 FINA 2303 inancial Management Substituted by COMF 2010 3 0 MOS troduction to Information Systems 1021/1022P/2011/2012H Waived for DDP students if they 1 0 SOM 2020 Coding for Business nave taken and passed COMP102 or COMP 1029P ISOM 2500 Business Statistics 3 3 ISOM 2600 Introduction to Business Analytics 1 MO Operations Management 3 3 Marketing Management MARK 3 3 Business Ethics and the Individual 2 2 MGMT Organizational Behavior 3 3 2110 IGMT usiness Ethics and Social Responsibilit ABU usiness Case Analyses Waived for DDP students LABU 2060 Effective Communication in Business 3 3 Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 3-4 DDP students should take MATH MATH 1003 Calculus and Linear Algebra 1012 or MATH 1013 or MATH 102 MATH 1012 1013 Calculus IA (3) 0 or MATH 1023 to satisfy the MATH Calculus IB ments of both BEng and матн 1020 BBA degrees onors Calculus I MATH Required credits for School Requirements 45-46 Major Requirements Major Required Courses and Electives Global Leadership Development 0 0 GBUS Global Business Analysis 3 3 3 GBUS 020 Public Service Project 1 1 [1] GBUS/ISOM Note: GBUS 3030 OR ISOM2040 3030 2040 ote: GBUS 3030 OR ISOM2040 lobal Business Case Studies usiness Simulation and Strategic Decision 4 4 [3] 4 BUS 4910 4 4 [4] 4 Slobal Business Electives (Courses from the specified elective list, of which at least 6 redits from each area and at least 2 courses must be offered by GBUS. Courses tak of fulfill requirements of an additional major in SBM may not be counted towards this BUS 3 6 15 Required credits for Major Required Courses and Electives 26-27 27 Additional Requirements Requirements for Dual Degree Program Required Courses TEMG T&M Professional Activities 0 0 3950 T&M Case Analysis and Product Innovation 3 3 T&M Corporate Consulting Project TEMG 4950 3-5 4 4 Required credits for Additional Requirements 7 **University CORE** 21 21 J CORE - English Language ORE C1 & C2 6 ORE 1905 Behavioral Foundations of University Education: Habits, Mindsets, and Wellness 3 0 3 3 Sub-total for University CORE 30 30

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.

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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