The Hong Kong University of Science and Technology

CEECON 2022-23 Intake

Interdisciplinary Programs Office (Via DDP PBA) An Example on Student's Pathway (as of July 22, 2022) << Declaration of
<< Declaration of BEng major BBA major School School of Engineering and School of Business Management Student's Pathway Dual Degree Program (BEng in Chemical Engineering and BBA in Economics) rogram: Remarks offering Dept. Course Title / Courses List Course Code ourse code prefix) BEng in Chemical Engineering Major Requirements Engineering Fundamental Courses Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H Introduction to Computer Science Introduction to Computing with Java COMP 1022P which will also be used to substitute ISOM 2010 and to waive ISOM 2020 COMP 2011 rogramming with C++ COMP Honors Object-Oriented Pro ng and Data Structure CHEM General Chemistry I Waived for DDP students LANG 2030 0 Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus IA MATH MATH MATH 1012 1013 1014 3 Accelerated Calculus MATH 1020 1023 MATH Honors Calculus I MATH onors Calculus II Introduction to Multivariable Calculus Note: PHYS 1112 OR PHYS 1312 General Physics I with Calculus MATH 2011 3 1112 3 3 PHYS 1312 Required credits for Engineering Fundamental Courses 19-24 18 Major Required Courses and Electives Note: CENG1000 OR CENG1500 Introduction to Chemical and Biological Engineering A First Course on Materials Science and Applications Note: CENG1600 OR CENG1700 OR BIEN1010 3 Biotechnology and Its Business Opportunities Introduction to Environmental Engineering Introduction to Biomedical Engineering CENG CENG 3 3 CENG 1010 Academic and Professional Development I 0 CENG 1980 Industrial Training 0 0 ENG 2110 Process and Product Design Principles CENG 2210 Chemical and Biological Engineering Thermodynamics 3 CENG 2220 Transport Phenomena I 3 3 3 Modeling for Chemical and Biological Engineering CENG 2310 3 3 CENG 3110 Process Dynamics and Control 3 CENG 3150 Integrated Chemical Process & Product Design 5 3210 CENG 3220 Heat and Mass Transfer 3 3 Chemical and Biological Reaction Engineering CENG 3230 3 3 CENG 3950 Chemical and Environment Engineering Laboratory 4 4 CENG 4020 Academic and Professional Development II
Note: CENG 4920 OR CENG 4930 OR CENG 4940 (Students 6) 0 0 taking the Research Option must take CENG 4930) Chemical Engineering Capstone Design
Chemical Engineering Thesis Research
Chemical Engineering Industrial Project ENG 4920 4930 ENGG 2010 Engineering Seminar Series 0 HEM 1050 Laboratory for General Chemistry I НЕМ undamentals of Organic Chemistry Fundamental Organic Chemistry Labo CHEM 2155 1 LANG 4035 Technical Communication II for Chemical and Biological Engineering 3 3 Note: BIEN2410 OR BIEN2610 OR LIFS1901 Cellular and Systems Physiology for Engineers Chemical Biology for Engineers 3 3 Seneral Biology I 1901 CENG Elective (12 credits from specified elective list) SENG/SSCI/ENVR 12 12 Required credits for Major Requirements Courses and Electives 68 68 **BBA** in Economics **School Requirements** ACCT Principles of Accounting I Principles of Accounting II
Note: ECON 2103 OR ECON 2113
Principles of Microeconomics ССТ 2200 3 3 2103 3 3 3 ECON 2103 / 2113 / 2123 is a majo 2113 Microeconomics Note: ECON 2123 OR ECON 3123 CON CON 2123 3 3 Macroeconomic Theory I ECON INA 2303 Financial Management Substituted by COMP SOM 2010 Introduction to Information Systems 3 0 1021/1022P/2011/2012H Waived for DDP students if the SOM 2020 Coding for Business 1 0 ISOM 2500 Business Statistics ISOM Introduction to Business Analytics 2600 1 Operations Managem ISOM 2700 MARK 2120 Marketing Management 3 3 MGMT 2010 Business Ethics and the Individual 2 2 MGMT 2110 Organizational Behavior 3 3 MGMT Business Ethics and Social Responsibility 2130 2 2040 Business Case Analyses Waived for DDP students LABU 3 0 Effective Communication in Business Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 DDP students should take MATH 1012 or MATH 1013 or MATH 1020 1003 1012 MATH Calculus and Linear Algebra MATH Calculus IA (3) or MATH 1023 to satisfy the MATH 1013 Calculus IB uirements of both BEng and BB MATH 1020 ccelerated Calculus lonors Calculus I Required credits for School Requirements 45-46 35 **Major Requirements** Major Required Courses and Electives Managerial Microeconomics CON 3014 Managerial Macroeconomics CON 3024 3334 4 4 Introduction to Econometrics CON 4670 Economics Research and Communication 0 0 0 ECON ECON 4000-level Electives (Any 3 courses of the subject and level as specified) 11 11 Required credits for Major Required Courses and Electives 23 Additional Requirements Requirements for Dual Degree Program Required Courses T&M Professional Activities EMG T&M Case Analysis and Product Innovation 3 EMG T&M Corporate Consulting Project 3-5 4950 4 Required credits for Additional Requirements **University CORE** U CORE - Others 21 21 CORE U CORF - English Language C1 & C2 6 6

Notes

ORE

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

Behavioral Foundations of University Education: Habits, Mindsets, and Wellness

* Courses offered in winter term ^ Courses offered in summer term

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

1905

To graduate, students should complete all requirements as specified for DDP

19 << Declaration of BEng major BBA major

19 18

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*Remarks on course(s):

Sub-total for University CORE

3

30