The Hong Kong University of Science and Technology Academy of Interdisciplinary Studies

CEECON 2023-24 Intake (Via DDP PBA)

An Example on Student's Pathway (as of August 3, 2023)

Student's Pathway School: School of Engineering and School of Business Management Dual Degree Program (BEng in Chemical Engineering and BBA in Economics) rogram: Remarks Course Code Course Title / Courses List course code prefix) BEng in Chemical Engineering Major Requirements **Engineering Fundamental Courses** ote: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012F Introduction to Computer Science
Introduction to Computing with Java
Programming with C++ Students should take COMP1021 COMP OME CHEM 1020 General Chemistry I 3 Waived for DDP students LANG 2030 Technical Communication I Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND 0 (MATH 1014 OR MATH 1024)] OR [MATH 1020] MATH 1012 MATH MATH MATH MATH 3 3 1023 Honors Calculus I MATH 024 lonors Calculus II MATH 2011 Introduction to Multivariable Calculus 3 lote: PHYS 1112 OR PHYS 1312 General Physics I with Calculus 3 3 PHYS Required credits for Engineering Fundamental Courses 19-24 18 Major Required Courses and Electives A First Course on Materials Science and Applications
Note: CENG1600 OR CENG1700 OR BIEN1010
Biotechnology and Its Business Opportunities
Introduction to Environmental Engineering CENG 1500 CENG 3 3 CENG 1700 BIEN ntroduction to Biomedical Engineering CENG 0 CENG 1980 Industrial Training 0 0 CENG 2110 Process and Product Design Principles 3 3 3 CENG 2210 Chemical and Biological Engineering Thermodynamics 3 3 3 CENG 2220 Transport Phenomena I 3 3 3 CENG 2310 Modeling for Chemical and Biological Engineering 3 3 CENG 3110 Process Dynamics and Control 3 3 CENG 3150 5 5 Integrated Chemical Process & Product Design Separation Processes CENG 3210 3 CENG 3220 Heat and Mass Transfer 3 3 3 CENG 3230 Chemical and Biological Reaction Engineering 3 CENG 3330 Data Science for Molecular Engineering 3 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 Capstone Design Chemical Engineering Thesis Research CENG CENG 4940 Chemical Engineering Industrial Project **ENGG** 2010 Engineering Seminar Series 0 0 0 0 CHEM 1050 Laboratory for General Chemistry I Fundamentals of Organic Chemistry CHEM 2111 3 3 3 СНЕМ 2155 Fundamental Organic Chemistry Laboratory 1 Technical Communication II for Chemical and Biological Engineering Note: BIEN2410 OR BIEN2610 OR LIFS1901 3 LANG 4035 BIEN 2410 Cellular and Systems Physiology for Engineers 3 3 3 BIEN 2610 Chemical Biology for Engineers CENG/CHEM 9 Required credits for Major Requirements Courses and Electives 68 **BBA** in Economics School Requirements Principles of Accounting I ACCT Principles of Accounting II
Note: ECON 2103 OR ECON 2113 3 3 3 ECON 2103 / 2113 / 2123 is a majo **ECON** 2113 <u>Microeconomics</u> Note: ECON 2123 OR ECON 3123 ECON 2123 **ECON** 3123 Macroeconomic Theory Financial Management 2303 SOM 2010 Introduction to Information Systems 3 1021/1022P/2011/2012H Waived for DDP students if they ISOM 2020 1 Coding for Business --0 have taken and passed COMP102 or COMP 1029P ISOM 2500 Business Statistics 3 3 ISOM 2600 Introduction to Business Analytics ISOM 2700 Operations Management 3 3 3 MARK 2120 Marketing Management 3 3 3 MGMT 2010 Business Ethics and the Individual 2 2 MGMT 2110 Organizational Behavior 3 3 MGMT 2130 usiness Ethics and Social Responsibility 2 2 ECON 3700 3 3 Writing as an Economist 3 Professional Speaking for the Workplace Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 ANG 2062 Waived for DDP stud DDP students should take MATH 1012 or MATH 1013 or MATH 1020 MATH 1003 Calculus and Linear Algebra MATH 1012 Calculus IA (3) or MATH 1023 to satisfy the MATH 1013 Calculus IB uirements of both BEng and BB Required credits for School Requirements 45-46 Major Requirements Maior Required Courses and Electives Managerial Microeconomics Managerial Macroeconomics ECON 3024 Introduction to Econometrics ECON 3334 ECON 4000-level Electives (Any 3 courses of the subject and level as specified) 11 11 Required credits for Major Required Courses and Electives Additional Requirements Requirements for Dual Degree Program Required Courses TEMG T&M Professional Activities TEMG 3950 T&M Case Analysis and Product Innovation 3 3 3 TEMG 4950 3-5 T&M Corporate Consulting Project 4 Required credits for Additional Requirements **University CORE** C3 - C9 U CORE - Others 21 21 CORE C1 & C2 U CORE - English Language 6 3 6 MAM Behavioral Foundations of University Education: Habits, Mindsets, and Wellness 1905 3 2 3 Sub-total for University CORE 30 30 19 20 18 181## << Declaration of declaration of declaration of declaration below BBA major and declaration of declaration declaratio BBA major

() 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

**Remarks on course(s):