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

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

CEGBM 2023-24 Intake (Via DDP PBA)

<< Declaration of
BEng major
BBA major</pre> School: School of Engineering and School of Business Management Student's Pathway Dual Degree Program (BEng in Chemical Engineering and BBA in General rogram: **Business Management)** 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 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 lote: CENG1000 OR CENG1500 htroduction to Chemical and Biological Engineering 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 CENG 2310 Modeling for Chemical and Biological Engineering 3 3 CENG 3110 Process Dynamics and Control 3 3 CENG 5 5 3150 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 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 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 Cellular and Systems Physiology for Engineers BIEN 2410 3 3 BIEN 2610 Chemical Biology for Engineers CENG/CHEN 9 Required credits for Major Requirements Courses and Electives 68 **BBA in General Business Management** School Requirements ACCT Principles of Accounting II
Note: ECON 2103 OR ECON 2113 3 3 3 3 **ECON** 2113 <u>Microeconomics</u> Note: ECON 2123 OR ECON 3123 ECON 2123 **ECON** 3123 Macroeconomic Theory Financial Manageme 2303 SOM 2010 Introduction to Information Systems 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 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 MGMT 2110 Organizational Behavior 3 MGMT 2130 Business Ethics and Social Responsibility 2 2 Non DDP-ECON students take Note: LANG 2061 OR 2062 OR 3060 ONLY a 3-credit of SBM-specific Professional Writing for the Workplace Professional Speaking for the Workplace Advanced Academic Writing English course, in which they can choose from one of the three LANG courses (LANG 2061, LANG 2062, 2061 LANG 3 or LANG 3060) 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 or MATH 1023 to satisfy the requirements of both BEng and BBA MATH MATH MATH MATH Calculus and Linear Algebra Calculus IA Calculus IB 1003 1012 1013 1020 (3) Accelerated Calculus degrees lonors Calculus I Required credits for School Requirements 45-46 35 **Major Requirements** Major Required Courses and Electives SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 SB&M 29 Required credits for Major Required Courses and Electives 29 29 **Additional Requirements** Requirements for Dual Degree Program Required Courses TEMG T&M Professional Activities 3950 T&M Case Analysis and Product Innovation TEMG 3 4950 4 TEMG 3-5 4 T&M Corporate Consulting Project Required credits for Additional Requirements University CORE C3 - C9 U CORE - Others 21 21 U CORE - English Language ORE C1 & C2 6 HMAW 1905 Behavioral Foundations of University Education: Habits, Mindsets, and Wellness 3 3 Sub-total for University CORE 30 30 19 18 19 18 19 17 19 << Declaration of << Declaration of BBA major BEng 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):

>> 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.