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

An Example on Student's Pathway (as of July 11, 2022)

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CEECON 2021-22 Intake

BEng major School School of Engineering and School of Business Management Student's Pathway Dual Degree Program (BEng in Chemical Engineering and BBA in Economics) Remarks Course Code Offering Dept Course Title / Courses List course code prefix) BEng in Chemical Engineering Major Requirements Engineering Fundamental Courses Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H ntroduction to Computer Science Students should take COMP1021 1022P COMP ntroduction to Computing with Java hich will also be used to substitut COMP 2011 Programming with C++ ISOM 2010 and to waive ISOM 2020 Honors Object-Oriented Programming and Data Structures NGG General Chemistry IA 3 3 CHEM 1010 CHEM General Chemistry IB LANG 2030 Technical Communication I Waived for DDP students Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] MATH 1012 Calculus IA 3 3 1014 HTAN Calculus II Accelerated Calculus Honors Calculus I 1020 1023 ΛΑΤΗ 1024 Honors Calculus II Note: PHYS 1112 OR PHYS 1312 1112 HYS 3 3 neral Physics I with Calculus PHYS Honors General Physics I Required credits for Engineering Fundamental Courses 19-24 Major Required Courses and Electives 3 3 CENG 1000 ntroduction to Chemical and Biological Engineering A First Course on Materials Science and Application
Note: CENG1600 OR CENG1700 OR BIEN1010 ENG Biotechnology and Its Business Opportunities 1700 Introduction to Environmental Engineering BIEN 1010 Introduction to Biomedical Engineering ENG Industrial Training 0 0 Process and Product Design Principles Chemical and Biological Engineering Thermodynamics Transport Phenomena I Modeling for Chemical and Biological Engineering 3 ENG Process Dynamics and Control 3 Heat and Mass Transfer Chemical and Biological Reaction Engineering Chemical and Environment Engineering Laboratory Academic and Professional Development II ENG 4 4 0 Note: CENG 4920 OR CENG 4930 OR CENG 4940 (Students 6 Chemical Engineering Capstone Design ENG 4930 Chemical Engineering Thesis Research Chemical Engineering Industrial Project ENGG CHEM Laboratory for General Chemistry I CHEM Fundamentals of Organic Chemistry нем Fundamental Organic Chemistry Laborato Note: RIEN2410 OR RIEN2610 OR LIES1901 Cellular and Systems Physiology for Engineers BIEN 2610 Chemical Biology for Engineers 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 Principles of Accounting I Principles of Accounting II Note: ECON 2103 OR ECON 2113 CON 2103 Principles of Microe 3 ECON 2103 / 2113 / 2123 is a majo ECON 2113 Note: ECON 2123 OR ECON 3123 pre-requisite 2123 3 3 3 ECON 3123 Macroeconomic Theory Substituted by COMP 2010 SOM 0 Introduction to Information Systems 1021/1022P/2011/2012H Waived for DDP students if they SOM 0 have taken and passed COMP1021 2020 Coding for Business or COMP 1029P Business Statistics ISOM Operations Management Business Ethics and the Individual /IGMT Organizational Behavior /GMT Business Ethics and Social Responsibility SBMT 1111 Business Student Induction 0 0 Waived for DDP students Waived for DDP students Business Case Analyses ABU Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 3-4 DDP students should take MATH Calculus and Linear Algebra 3 012 or MATH 1013 or MATH 1020 латн (3) 0 MATH 1023 to satisfy the 1013 MATH Calculus IB ements of both BEng and BBA ИТАЛ 1020 Accelerated Calculus degrees lonors Calculus I Required credits for School Requirements 45-46 **Major Requirements** ed Courses and Electives Managerial Microeconomics CON 3024 Managerial Macroeconomics 4 4 3334 Introduction to Econometrics ECON Economics Research and Communication ECON 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 23 Additional Requirements Requirements for Dual Degree Program Required Cours T&M Case Analysis and Product Innovation T&M Comorate Consulting Project TEMG 4950 3-5 4 Required credits for Additional Requirements University CORE U CORE - Others 30 U CORE - English Language Sub-total for University CORE 36 18 19 19 19 19 21 20 17 18 187## << Declaration of << Declaration of

\*Remarks on course(s):

<sup>( )</sup> indicates the reuse of the same course to fulfill more than one requirement.

<sup>\*</sup> Courses offered in winter term

<sup>---</sup> denotes the course/requirement is either waived or substituted

<sup>##</sup> To graduate, students should complete all requirements as specified for DDP.

<sup>&</sup>gt;> 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