The Hong Kong University of Science and Technology

Academy of Interdisciplinary Studies

An Example on Student's Pathway (as of August 8, 2024)

2024-25 Intake **BEMARK** (Via DDP PBA)

School of Engineering and School of Business Management Student's Pathway Dual Degree Program (BEng in Bioengineering and BBA in Marketing) Remarks Course Code Course Title / Courses List Dept **BEng in Bioengineering Major Requirements** Engineering Fundamental Courses troduction to Computer Science troduction to Computing with Java Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020 1029F 2011 Python Programming Bridging Course ogramming with C++ Honors Object-Oriented Programming and Data Structures COME 2012H General Chemistry B: Atomic Structure, Molecules, and Bonding Theories aboratory for General Chemistry B HEN 1052 IFS 1901 General Biology I 3 3 3 Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] MATH Calculus IB 3 3 6 MATH 1014 Calculus II MATH ccelerated Calculus MATH 1023 onors Calculus I onors Calculus II ote: PHYS 1112 OR PHYS 1312 General Physics I with Calculus 3 3 PHYS 1112 ngineering Introduction course (If the students take an introduction course included in their major, this nurse can be counted towards their major requirement.) nors General Physics I SENG 3-4 (3) 0 Required credits for Engineering Fundamental Courses 20-27 19 Major Required Courses and Electives Note: BIEN 1010 OR CENG 1000 3 3 3 BIEN 1010 troduction to Biomedical Engineering CENC Introduction to Chemical and Biiological Engineering 3 3 2310 BIEN Modeling for Chemical and Biological Engineering BIEN 2410 Cellular and Systems Physiology for Engineers 3 3 3 2610 hemical Biology for Engineers 3 3 3 cademic and Professional Development I Note: BIEN 3310 OR BIEN 3320 3310 Data Science for Neural Engine 3 3 Data Science for Biology and Medicine BIEN 3410 Introduction to Bioinstrumentation and Bioimaging 3 3 3 oengineering Laboratory 3910 4 4 4 lote: BIEN 4920 OR BIEN 4930 OR BIEN 4940 BIEN 4920 ioengineering Capstone Design ioengineering Thesis Research 6 BIEN Bioengineering Industrial Project BIEN 4940 cademic and Professional Development II 1 1 4990 BIEN ENG 2210 Chemical and Biological Engineering Thermodynamics 3 3 3 ENG 2220 Transport Phenomena I 3 3 3 CENG 3230 Chemical and Biological Reaction Engineering 3 3 Engineering Seminar Series NGG 3300 Data Science for Molecular Engineering 3 SSCI/SENG aken from a single specialty area (Area 1 or Area 2). Out of the 15 credits taken, at least 9 credits should 15 3 15 be at 4000-leve Required credits for Major Required Courses and Electives 57 57 **BBA** in Marketing **School Requirements** 3 lote: ECON 2103 OR ECON 2113 rinciples of Microeconomics 3 3 ficroeconomics lote: ECON 2123 OR ECON 3123 CON acroeconomic Theory 2303 Financial Management 3 3 Substituted by COMF SOM 2010 ntroduction to Information Systems 0 3 1021/1022P/2011/2012H Waived for DDP students if they have 0 1 -SOM 2020 Coding for Business ----taken and passed COMP1021 or COMP 1029P SOM 2500 usiness Statistics 3 3 3 ntroduction to Business Analytics BIEN 3310/3320 Operations Management SOM MARK 2120 is a major pre-requisite 2120 larketing Management /IGMT 2010 Business Ethics and the Individual 2 2 /GMT 2110 Organizational Behavior 3 3 3 Business Ethics and Social Responsibility Required credits for School Requirements 39-40 31 **Major Requirements** Major Required Courses and Electives Marketing Research MARK 4 3420 Consumer Behavio 4 trategic Marketing 4210 12 12 MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified) Required credits for Major Required Courses and Electives 24 Additional Requirements Requirements for Dual Degree Program Required Courses T&M Professional Activities EMG 3950 T&M Case Analysis and Product Innovation 3 3 3 ГЕМС 4950 T&M Corporate Consulting Project 3-5 4 4 Required credits for Additional Requirements University CORE U CORE - Others 21 21 ORE C3 - C9 U CORE - English Language ORE C1 & C2 MAW ehavioral Foundations of University Education: Habits, Mindsets, and Wellness 1905 Sub-total for University CORE 30 30 Term load (excl. free credits) 17 17 19 18 10 16 168## << Declaration of BEng major << Declaration of BBA major Notes

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

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

To graduate, students should complete all requirements 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