The Hong Kong University of Science and Technology Interdisciplinary Programs Office

An Example on Student's Pathway **BEMGMT**

Student's Pathway

2020-21 Intake

School of Engineering and School of Business Management Oual Degree Program (BEng in Bioengineering and BBA in Management) rogram Remarks ourse Code Course Title / Courses List de prefix BEng in Bioengineering Major Requirements Engineering Fundamental Courses Note: [COMP 1021] OR [(COMP 1022P OR COMP 2011) AND COMP1029 Introduction to Computer Science Introduction to Computing with Java Python Programming Bridging Course substitute ISOM 2010 1029P ogramming with C++ Academic Orientation
Note: CHEM1010 OR CHEM 1020 НЕМ 3 3 CHEM General Chemistry IB CHEM Laboratory for General Chemistry I Technical Communication I 3 General Biology I Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] (MAI H 1014 OR MAI H 1024)) OR (Calculus IB Calculus IB Calculus II Accelerated Calculus Honors Calculus I Honors Calculus I Note: PHYS 1112 OR PHYS 1312 General Physics I with Calculus Honors Caneral Dhusics I PHYS 3 3 3 Honors General Physics I Figure and purificultion course (If the students take an introduction course included in their major, this course can be counted towards their major requirement.) 3-4 (3) 23-29 Required credits for Engineering Fundamental Courses 22 Major Required Courses and Electives Note: BIEN 1010 OR CENG 1000 3 Introduction to Biomedical Engineering Introduction to Chemical and Biiological Engineering 3 CENG BIEN 2310 Modeling for Chemical and Biological Engineering 3 3 BIEN 2410 Cellular and Systems Physiology for Engineers 3 3 3 BIEN 2610 Chemical Biology for Engineers 3 3 3 BIEN Academic and Professional Development I 1 Transport Phenomena in Biological Systems BIEN 3240 3 3 Data Science for Biology and Medicine Introduction to Bioinstrumentation and Bioimaging BIEN Note: BIEN 4920 OR BIEN 4930 OR BIEN 4940 3 3 Bioengineering Industrial Project
Academic and Professional Development II BIEN 4940 Chemical and Biological Engineering Thermodynamics Chemical and Biological Reaction Engineering 3 Note: LIFS 3150 OR MATH 2411 3-4 3 3 3 Applied Statistics replaced seasons
Technical Communication II for Chemical and Biological Engineering
Bioengineering Electives (5 courses from the specified elective list, of which at least 9 credits should by taken from a single specialty area (Area 1 or Area 2). Out of the 15 credits taken, at least 9 credits should be at 4000-level)
Required credits for Major Required Courses and Electives 15 60-61 60 BBA in Management School Requirements Principles of Accounting I ACCT Principles of Accounting II 3 3 Note: ECON 2103 OR ECON 2113 3 3 Note: ECON 2123 OR ECON 3123 3 CON 2123 3 CON 3123 Macroeconomic Theory I Financial Management 2010 3 0 Introduction to Information Systems 1021/1022P/COMP2011 Substituted by COMP SOM 2020 Coding for Business 0 1021/1022P/1029P/2011 Substituted by Business Statistics 3 LIFS 3150/MATH 2411 Substituted by SOM Introduction to Business Analytics Operations Management Marketing Management requisite **UGMT** 2130 Business Ethics and Social Responsibility 2 Substituted by ENGG 1010 1111 Business Student Induction Business Case Analyses Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 DDP students should take MATH иатн Calculus and Linear Algebra 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees (3) Calculus IB ccelerated Calculus onors Calculus I Required credits for School Requirements 43-44 34 Major Requirements Major Required Courses and Electives

| Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 the fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.)
| Human Resources Management | Human Resources Manag Students in the Consulting Option must take MGMT 3120 **MGMT** lanagerial Leadership ote: MGMT 3130 OR MGMT 3140 Students in the Consulting Option must take MGMT 3140 dgement and Decision Making in Organizations <u>leaoblation</u> lote: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporat Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.) Corporate Strategy 3 иGМТ trepreneurship and Innovation must take MGMT 4210 Students in the Consulting MGMT as Option Required Courses may not be counted towards the elective requirement.) course in Simulating Strategy to fulfill the major elective Required credits for Major Required Courses and Electives 20-21 Additional Requirements Requirements for Dual Degree Program Required Courses Technology and Management P Case-based Problem Solving Required credits for Additional Requirements University CORE U CORE - Others C3 - C12 U CORE - English Language Sub-total for University CORE 36 Term load (excl. free credits) 18 19 18 16 12 175## Notes:

Remarks on course(s):

School:

^() indicates the reuse of the same course to fulfill more than one require -- denotes the course/requirement is either waived or substitued

^{##} To graduate, students should complete all requirements specified for DDP

> 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 sch students should check it out from respective School and Department.