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

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

sity of Science and Technology

CEMARK
2021-22 Intake
(Via DDP PBA)

School of Engineering and School of Business Management rogram Oual Degree Program (BEng in Chemical Engineering and BBA in Marketing) Remarks offering Dept. Course Code Course Title / Courses List course code prefix) BEng in Chemical Engineering Major Requirements Engineering Fundamental Courses Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H 1021 COMP Introduction to Computer Science 3 Students should take COMP1021 COMP 1022P ntroduction to Computing with Java 3 which will also be used to substitut COMP ISOM 2010 and to waive ISOM 2020 2011 Programming with C++ COMP 012H nors Object-Oriented Progra mming and Data Structures ENGG Academic Orientation ote: CHEM1010 OR CHEM1020 3 3 1010 CHEM eneral Chemistry IA Waived for DDP students LANG Technical Communication Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND 4-7 (MATH 1014 OR MATH 1024)] OR [MATH 1020] MATH 1012 Calculus IA Calculus IB 3 3 MATH 1014 Calculus II иатн MATH 1023 onors Calculus I nors Calculus II MATH 2011 Introduction to Multivariable Calculus 3 3 3 3 1112 3 3 PHYS Seneral Physics I with Calculus Required credits for Engineering Fundamental Courses 19-24 Major Required Courses and Electives Note: CENG1000 OR CENG1500 roduction to Chemical and Biological Engineering 3 CENG A First Course on Materials Science and Applications ote: CENG1600 OR CENG1700 OR BIEN1010 Biotechnology and Its Business Opportunities 3 CENG 1700 ntroduction to Environmental Engineering BIEN Introduction to Biomedical Engineering Academic and Professional Development I CENG Industrial Training Process and Product Design Principles 3 CENG 2210 Chemical and Biological Engineering Thermodynamics 3 3 CENG Transport Phenomena I 3 Modeling for Chemical and Biological Engineer CENG 3110 Process Dynamics and Control 3 3 Integrated Chemical Process & Product Design CENG 3210 Separation Processes 3 3 CENG 3220 Heat and Mass Transfer 3 3 3 Chemical and Biological Reaction Engineering 3 Chemical and Environment Engineering Labor 4 CENG 0 ote: CENG 4920 OR CENG 4930 OR CENG 4940 (Students 6 taking the Research Option must take CENG 4930) CENG Chemical Engineering Capstone Design 3 930 nemical Engineering Thesis Research CENG Chemical Engineering Industrial Project ENGG Engineering Seminar Series CHEM boratory for General Chemistry I CHEM 2111 Fundamentals of Organic Chemistry 3 3 CHEM 2155 Fundamental Organic Chemistry Laboratory Technical Communication II for Chemical and Biological Engin Note: BIEN2410 OR BIEN2610 OR LIFS1901 Cellular and Systems Physiology for Engine BIEN 2410 3 3 3 BIEN emical Biology for Engineers 1901 ieneral Biology I 12 Required credits for Major Requirements Courses and Electives 68 68 BBA in Marketing **School Requirements** Principles of Accounting I Note: ECON 2103 OR ECON 2113 rinciples of Microeconomics 3 Note: ECON 2123 OR ECON 3123 3 3 3 ECON Macroeconomic Theory nancial Management Substituted by COMP 3 SOM 2010 troduction to Information Systems 0 1021/1022P/2011/2012H Waived for DDP students if they SOM oding for Business have taken and passed COMP1021 or COMP 1029P ISOM **Business Statistics** ISOM 2600 Introduction to Business Analytics Operations Management Marketing Management MARK 2120 3 MARK 2120 is a major pre-requisite MGMT Business Ethics and the Individual 2 иСМТ Organizational Behavior MGMT 2130 Business Ethics and Social Responsibility SBMT Waived for DDP students Business Student Induction 0 Business Case Analyses 0 Waived for DDP students Effective Communication in Business LABU 2060 3 3 Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 3-4 DDP students should take MATH MATH 1003 Calculus and Linear Algebra 3 012 or MATH 1013 or MATH 1020 o 1012 (3) MATH 1023 to satisfy the MATH 1013 Calculus IB rements of both BEng and BBA coelerated Calculus onors Calculus I Required credits for School Requirements 45-46 **Major Requirements** Major Required Courses and Electives Marketing Research Strategic Marketing 4 MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified) 12 12 Required credits for Major Required Courses and Electives **Additional Requirements** Requirements for Dual Degree Program Required Courses T&M Professional Activities 1010 0 0 TEMG 3950 T&M Case Analysis and Product Innovation 3 3 ГЕМС 4950 T&M Corporate Consulting Project 3-5 4 Required credits for Additional Requirements 7 University CORE U CORE - Others 30 30 C1 & C2 U CORE - English Language 6 Sub-total for University CORE 36 36 18 19 19 19 19 18 20 20 18 18 << Declaration of << Declaration of

## Notes

- ( ) 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.

scheduling, students should check it out from respective School and Department.

\*\*Remarks on course(s)

BEng major

BBA major

<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