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

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

<< Declaration of
BEng major</pre>
<< Declaration of
BBA major</pre> School of Engineering and School of Business Management Oual Degree Program (BEng in Civil and Environmental Engineering and BBA in rogram Remarks Offering Dept.
course code prefix) Course Title / Courses List BEng in Civil and Environmental Engineering Major Requirements **Engineering Fundamental Courses** Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H Students should take COMP1021 vhich will also be used to substitute ISOM 2010 and to waive ISOM 2020 introduction to Computer Science
introduction to Computing with Java
programming with C++
tonors Object-Oriented Programmin
Sciencial Chemistry I COMP COMP COMP CHEM LANG 2030 Waived for DDP students 3 4-7 MATH 1014 OR MATH 1024)] OR [MATH 1020] 1012 1013 1014 1020 1023 1024 coclerated Calculus onors Calculus I onors Calculus II troduction to Multivariable Calculus applied Linear Algebra and Differential Equations Note: PHYS 1112 OR PHYS 1312□ MATH 2350 3 3 1112 1312 3 3 3 PHYS General Physics I with Calculus PHYS Honors General Physics I

Required credits for Engineering Fundamental Courses 22-27 21 Major Required Courses and Elective Academic Professional Development I
Discovering Civil and Environmental Engineering 1010 Academic Professional Development II 0 0 dustrial and BIM Training Mechanics of Materials 3 CIVL 2120 This course will also be used to substitute ISOM 2500 2160 3 CIVL Modeling Systems with Uncertainties 3 CIVL 2170 Infrastructure Systems Engineering and Management 3 nvironmental Assessment and Management 2410 2510 Fluid Mechanics 3 3 cademic Professional Development III 0 0 CIVL 3020 Internship Training
Note: CIVL3210 OR CIVL3610 3 3 3 3210 Introduction to Construction Management Traffic and Transportation Engineering 3610 CIVL 3310 Structural Analysis 3 3 Water and Wastewater Engineering Hydrosystems Engineering 3420 undamentals of Geotechnics 3730 3 3 3740 ieotechnical Analysis and Design ote: CIVL 4910 OR CIVL 4920 (Students taking the Research Option must take CIV 4920)
Civil and Environmental Engineering Final Year Project
Civil and Environmental Engineering Final Year Thesis CIVL 4950 Civil Engineering Capstone Design Project 3 3 0 ENGG 2010 ngineering Seminar Series 0 0 Technical Communication II for Civil and Environmental Engineering
Note: CIVL4450 OR CIVL 5450 OR CIVL5460 LANG 4033 3 4450 3 3 3 Restricted electives: at least 1 course AND
(CIVL: Any CIVL: courses at 4000-level or above except those listed as "Restricted
Electives" from the list OR
SENG: Any 3000-level or above courses offered by the Engineering School or engineering CIVL/SENG 6 Required credits for Major Requirements Courses and Electives 66 **BBA** in Finance School Requirements Principles of Accounting I Principles of Accounting II
lote: ECON 2103 OR ECON 2113
rinciples of Microeconomics 2200 CON 2103 3 3 3 Aicroeconomics Note: ECON 2123 OR ECON 3123 2123 3 3 3 CON acroeconomics acroeconomic Theory I CON FINA 2303 inancial Management FINA 2303 is a major pre-requisit Substituted by COMF SOM 2010 Introduction to Information Systems 3 0 1021/1022P/2011/2012H Vaived for DDP students if they ave taken and passed COMP1 or COMP 1029P Substituted by CIVL 2160 usiness Statistics ISOM oduction to Business Analytics Operations Management MARK 2120 MGMT 2010 Business Ethics and the Individual 2 2 3 MGMT 2130 Business Ethics and Social Responsibility Non DDP-ECON students take Note: LANG 2061 OR 2062 OR 3060 ONLY a 3-credit of SBM-specific
English course, in which they can
choose from one of the three LANG
courses (LANG 2061, LANG 2062,
or I ANG 3060) LANG OF LANG 30(6))
DDP students should take MATH
1012 or MATH 1013 or MATH 1020
or MATH 1023 to satisfy the
requirements of both BEng and BB/
degrees 3-4 3 4 3 4 Calculus and Linear Algebra Calculus IA Calculus IB Accelerated Calculus Honors Calculus I (3) Required credits for School Requirements Major Requirements Major Required Courses and Elective Key Skills for Finance Professionals (A) 1 FINA 3103 ntermediate Investments 3 3 3 FINA 3203 Derivative Securities 3 3 FINA 3303 ntermediate Corporate Finance 3 3 3 FINA 3810 loomberg Market Concepts Certification 0 0 sloomberg Market Concepts Certification Note: (ACCT 3010 AND ACCT 3020) OR ACCT 303 Financial Accounting II Financial Accounting II 3 3 Intermediate Financial Accounting for Non-Accounting Major Note: ISOM 3230 OR ISOM 3400 If DDP students took COMP 1021 in 3230 3 ЮМ siness Programming in VBA usiness Applications Development in Python FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified) Required credits for Major Required Courses and Electives 25-28 Additional Requirements Requirements for Dual Degree Program TEMG T&M Profe 0 TEMG T&M Case Analysis and Product Innovation 3 3 TEMG 4950 3-5 T&M Corporate Consulting Project 4 Required credits for Additional Requirements University CORE U CORE - Others C3 - C9 21 21 C1 & C2 U CORE - English Language CORE 6 3 6 ehavioral Foundations of University Education: Habits, Mind 1905 Sub-total for University CORE 30 30 16 20

( ) 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.

BEng major