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

An Example on Student's Pathway (as of April 1, 2025)

<< Declaration of

EEECON 2025-26 Intake (Via DDP PBA)

<< Declaration of BEng major BBA major School of Engineering and School of Business Management oual Degree Program (BEng in Electronic Engineering and BBA in Economics) rogram Remarks Course Credits Course Title / Courses List Offering Dept. Course Code **BEng in Electronic Engineering Engineering Fundamental Courses** Note: ELEC 2600 OR MATH 2011 OR MATH 2111 OR MATH 2350 OR MATH 2351 (3 courses out of 5) Probability and Random Processes in Engineering Introduction to Multivariable Calculus Matrix Algebra and Applications Applied Linear Algebra and Differential Equations Introduction to Differential Equations 3 3 9 COMP ntroduction to Python Programming 1023 3 3 Students should take COMP1023 which will also be used to substitute ISOM 2010 and to waive ISOM 2020 Note: COMP2011 OR COMP2012H 4-5 Programming with C++ Honors Object-Oriented Programming and Data Structures COMP 2011 OMP 2012H Note: [(MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 4-6 DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both 1013 1014 BEng and BBA degrees Calculus II Honors Calculus I Honors Calculus II lote: PHYS1112 OR PHYS1312 Note: PHYS1114 OR PHYS1314 3 Required Credits for Engineering Fundamental Courses Major Required Courses and Electives 1100 Introduction to Electro-Robot Design 4 ELEC 1200 A System View of Communications: from Signals to Packets ELEC Academic and Professional Development I ELEC 2100 Signals and Systems 4 4 ELEC 2350 Introduction to Computer Organization and Design 4 4 4 ELEC 2400 Electronic Circuits 4 4 Academic and Professional Development II ELEC 0 ELEC 2991 Industrial Experience (Electronic Engineering) 0 0 0 0 0 tudents should complete safety training and internship/industrial training to get pass of ELEC 2991 Academic and Professional Development III ELEC 3910 0 0 0 Note: [ELEC 4900 OR ELEC 4901)] OR [ELEC 4910] (Students taking the Research Option must take ELEC 4901) 3* = 1 credit in year 4 Summer + 2 credits in year 5 Fall. Final Year Design Project Final Year Thesis ELEC 4900 4901 ELEC Co-op Program ELEC 3000-level or above Electives (Courses of the subject and level as specified, out of which at least 2 courses must be at 4000-level. ELEC 4940 cannot be used to count towards this elective requirement) ELEC 21 11 21 BEng in Electronic Engineering Major Requirements 47 47 **BBA** in Economics School Requirements ACCT Principles of Accounting I 3 3 Principles of Accounting II lote: ECON 2103 OR ECON 2113 CON 2103 / 2113 / 2123 is a major pre-requisite Note: ECON 2123 OR ECON 3123 3 3 3 CON 3123 Macroeconomic Theory I FINA 2303 Financial Management 3 OMP 1023, COMP 1022P, COMP 2011 and COMP 2012H are more advanced computing courses as impaired to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of 2010 ISOM 2010.
ISOM 2020 is waived for DDP students who have taken and passed COMP 1023 or COMP 1029P or COMP2011 or COMP2012H. These two COMP courses are similar or more advanced coding (Python) 0 SOM 2020 Coding for Business Business Statistics 3 Introduction to Business Analytics ISOM 2700 Operations Management 3 3 3 2120 Marketing Management MGMT Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023 3-4 Calculus and Linear Algebra DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both (3) 0 BEng and BBA degrees 1013 Calculus I Accelerated Calculus MATH Honors Calculus I Required credits for School Requirements 39-40 Major Required Courses and Electives 3014 Managerial Microeconomics 4 ECON 3024 Managerial Macroeconomics 4 4 ECON 3334 Introduction to Econometrics 4 4 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 Additional Requirement for Dual Degree Requirements for Dual Degree Program T&M Professional Activities II TEMG 1012 0 TEMG 1013 T&M Professional Activities III 0 0 0 TEMG 1014 T&M Professional Activities IV 0 0 0 graduate, students should complete ALL requirements as specified for DDP T&M Professional Activities V TEMG 1015 0 0 T&M Case Analysis and Product Innovation TEMG TEMG 3-5 Required Credits for Additional Requirements **University Common Core Requirement** C3 - C9 U CORE - Others 21 21 U CORE - English Language CORE C1 & C2 Behavioral Foundations of University Education: Habits, Mindsets, and Wellness 3 HMAW 1905 Sub-total for University CORE 30 5 0 0 30

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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.