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

An Example on Student's Pathway (as of Dec 21, 2025)

<< Selection of

EEECON 2025-26 Intake

<< Selection of BBA major BEng major School of Engineering and School of Business Management Dual Degree Program (BEng in Electronic Engineering and BBA in Economics) Remarks Offering Dept. Course Code Course Title / Courses List course code prefix) 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 1023 roduction to Python Programming 3 tudents should take COMP1023 which will also be used to substitute ISOM 2010 and to waive ISOM 2020 lote: COMP2011 OR COMP2012H 4-5 Programming with C++ Honors Object-Oriented Programming and Data Structures Note: [(MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATI 4-6 DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees Note: PHYS1112 OR PHYS1312 3 3 3 General Physics I with Calculus PHYS PHYS 1112 onors General Physics I ote: PHYS1114 OR PHYS1314 Required Credits for Engineering Fundamental Courses 26-30 Major Required Courses and Electives Introduction to Electro-Robot Design A System View of Communications: from Signals to Packets 4 Academic and Professional Development I Signals and Systems ELEC 1910 Introduction to Computer Organization and Design 4 ELEC Electronic Circuits Academic and Professional Development II 0 0 Students should complete safety training and internship/industrial training to get pass of ELEC 2991 ELEC 2991 Industrial Experience (Electronic Engineering) 0 0 Academic and Professional Development III 0 Note: [ELEC 4900 OR ELEC 4901)] OR [ELEC 4910] (Students taking the Research Option must take ELEC 4901) 6 3* = 1 credit in year 4 Summer + 2 credits in year 5 Fall. 4900 4901 Final Year Design Project Final Year Thesis 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 11 **BBA** in Economics School Requirements Principles of Accounting I Principles of Accounting II ote: ECON 2103 OR ECON 2113 3 ECON 2103 / 2113 / 2123 is a major pre-requisite ote: ECON 2123 OR ECON 3123 3 3 Macroeconomics Macroeconomic Theory I 2303 Financial Management OMP 1023, COMP 1022P, COMP 2011 and COMP 2012H are more advanced computing courses as ompared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of SOM 2010 3 0 troduction to Information Systems SOM 2010. SOM 2020 is waived for DDP students who have taken and passed COMP 1023 or COMP 1029P or SOM 2020 Coding for Business 1 0 COMP2011 or COMP2012H. These two COMP courses are similar or more advan ISOM 2600 Introduction to Business Analytics Operations Managemen MARK Marketing Management MGMT 2010 Business Ethics and the Individual 2 2 Organizational Behavior 3 3 Business Ethics and Social Responsibility
Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023 MGMT 2130 3-4 DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees Calculus and Linear Algebra Calculus I Accelerated Calculus Honors Calculus I (3) Required Credits for School Requirements 39-40 Major Required Courses and Electives ECON 3014 Managerial Microeconomics 4 ECON 3024 Managerial Macroeconomics ECON 3334 Introduction to Econometrics 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 TEMG 1011 T&M Professional Activities I 0 0 TEMG 1012 T&M Professional Activities II 0 0 TEMG 1013 T&M Professional Activities III 0 0 TEMG 1014 T&M Professional Activities IV 0 0 0 0 To graduate, students should complete ALL requirements as specified for DDF TEMG 1015 T&M Professional Activities V 3950 T&M Case Analysis and Product Innovation 3 TEMG 4950 T&M Corporate Consulting Project 3-5 4 Required Credits for Additional Requirements 7 University Common Core Requirement CORE C3 - C9 U CORE - Other 21 CORE C1 & C2 U CORE - English Language 6 HMAW 1905 Behavioral Foundations of University Education: Habits, Mindsets, and Wellne Sub-total for University CORE

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() 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.