

<< Declaration of major

School:		School of Engineering and School of Business Management		Student's Pathways (i.e. Study Pattern)											
Department:		Dual Degree Program (BEng in Industrial Engineering and Engineering Management and BBA in General Business Management)		Pathway 1											
Program:				Background: HKDSE 4 Core + 2 Elec (incl. 1/2x PHYS) Profile: Normative Students to graduate in (BEng & BBA) IEGBM											
Course Offering Dept (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Year 5 Fall	Year 5 Spring	Sub-total	Remarks
BEng in Industrial Engineering and Engineering Management															
Major Requirements															
Engineering Fundamental Courses															
COMP	1021	Note: COMP 1021 OR COMP 1022P OR COMP 1022Q OR COMP 2011	3-4												
COMP	1022P	Introduction to Computer Science	3												
COMP	1022Q	Introduction to Computing with Java	3												
COMP	2011	Introduction to Computing with Excel VBA	3												
COMP	2011	Introduction to Object-oriented Programming	4												
ENGG	1010	Academic Orientation	0	0	0									0	
CHEMPHYS		Note: CHEM 1010 OR CHEM 1020 OR PHYS 1114 OR PHYS 1154 OR PHYS 1314	2-3												
CHEM	1010	General Chemistry IA	3												
CHEM	1020	General Chemistry IB	2												
PHYS	1114	General Physics II	3												
PHYS	1314	Honors General Physics II	3												
LANG	2030	Technical Communication I	3												
MATH		Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-6												
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3												
MATH	1014	Calculus II	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
MATH	1024	Honors Calculus II	3												
MATH	2011	Introduction to Multivariable Calculus	3												
MATH	2111	Matrix Algebra and Applications	3												
PHYS	1112	Note: PHYS 1112 OR PHYS 1312	3												
PHYS	1312	General Physics I with Calculus	3												
PHYS	1312	Honors General Physics I	3												
SENG		Engineering Introduction course (If the students take an introduction course included in their major, this course can be counted towards their major requirement.)	3-4												
Required credits for Engineering Fundamental Courses			24-29											27	
Major Required Courses and Electives															
IELM	1010	Academic and Professional Development I	0												
IELM	1020	Academic and Professional Development II	0												
IELM	1990	Note: IELM 1990 OR IELM 1991	0												
IELM	1991	Industrial Training	0												
IELM	2010	Note: IELM 2010 OR IELM 2200	3												
IELM	2200	Industrial Engineering and Modern Logistics	3												
IELM	2200	Engineering Management	3												
IELM	2100	Computing in Industrial Applications	3												
IELM	2150**	Product Design	3												
IELM	2410	Logistics and Freight Transportation Operations	3												
IELM	2510	Engineering Probability and Statistics	4												
IELM	3010**	Operations Research I	3												
IELM	3130	Ergonomics and Safety Management	3												
IELM	3230**	Engineering Economy	3												
IELM	3270	Quality Engineering	3												
IELM	3300	Industrial Data Systems	3												
IELM	4100	Integrated Production Systems	3												
IELM	4130	System Simulation	3												
IELM	4200	Design of Logistics and Manufacturing Systems	3												
IELM	4901	Note: IELM 4901 OR IELM 4990 (Students taking the Research Option must take IELM 4901)	6												
IELM	4990	Final Year Thesis	6												
IELM	4990	Industrial Engineering Design Project	6												
ENGG	2010	Engineering Seminar Series	0												
LANG	4032	Technical Communication II for Industrial Engineering and Logistics Management	3												
IELM/CENG/ELEC		IEEM Electives (3 courses from the specified elective list)	9												
Required credits for Major Requirements Courses and Electives			58											52	
BBA in General Business Management															
School Requirements															
ACCT	2010	Principles of Accounting I	3												
ACCT	2200	Principles of Accounting II	3												
ECON	2103	Note: ECON 2103 OR ECON 2113	3												
ECON	2113	Principles of Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2123	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOM must take ECON 3123)	3												
ECON	3123	Macroeconomics	3												
ECON	3123	Macroeconomic Theory I	3												
FINA	2303	Financial Management	3												
ISOM	2010	Introduction to Information Systems	3												
ISOM	2500	Business Statistics	3												
ISOM	2700	Operations Management	3												
MARK	2120	Marketing Management	3												
MGMT	2110	Organizational Behavior	3												
MGMT	2130	Business Ethics and Social Responsibility	2												
SBMT	1111	Business Student Induction	0												
SBMT	2010	Business Ethics and the Individual	2												
LABU	2020**	Effective Communication in Business**	2												
LABU	2050	Note: LABU 2050 OR (LABU 2051 AND LABU 2052) (Students who wish to pursue BBA GBUS must take LABU 2050 while others must take LABU 2051 and LABU 2052)	3-4												
LABU	2051**	Honors Business Case Analyses	3												
LABU	2052**	Business Case Analyses I	2												
LABU	2052**	Business Case Analyses II	2												
MATH		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												
MATH	1003	Calculus and Linear Algebra	3												
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
Required credits for School Requirements			42-44											31	
Major Requirements															
Major Required Courses and Electives															
SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)	29												
Required credits for Major Required Courses and Electives			29											29	
Additional Requirements															
Requirements for Dual Degree Program															
Required Courses															
TEMG	1010	Technology and Management Professional Activities	0												
Required credits for Additional Requirements			0											0	
University CORE															
CORE	C3 - C12	U CORE - Others	30	6	9					6	3	6			30
CORE	C1 & C2	U CORE - English Language	6	3	3										6
Sub-total for University CORE			36											36	
Term load (excl. free credits)															
18 18 17 18 20 17 18 18 15 16															
175##															
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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.

**Remarks on course(s):
- IELM 2150: This course title will be changed from "Product Design and Communication" to "Product Design" (effective from 2016/17)
- IELM courses: Course code of IELM courses will be changed to IEDA (effective from 2018-19)
- IELM 3010: Course title and course code of IELM3010 - Operations Research I will be changed to IEDA3010 - Prescriptive Analytics (effective from 2018-19)
- IELM 3230: Course title and course code of IELM3230 - Engineering Economy will be changed to IEDA3230 - Engineering Economics and Accounting (effective from 2018-19)

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