

Declaration of major

School: School of Engineering and School of Business Management			Student's Pathways (i.e. Study Pattern)													Remarks
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	Subtotal		
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			3									3	
COMP	2011	Introduction to Computing with Excel VBA	3													
COMP	2011	Programming with C++	4													
ENGG	1010	Academic Orientation	0	0	0									0		
CHEM/PHYS	1010	Note: CHEM1010 OR CHEM1020 OR PHYS1114 OR PHYS1314	2-3													
CHEM	1020	General Chemistry IA	3													
CHEM	1114	General Chemistry IB	2													
PHYS	1114	General Physics II	3													
PHYS	1314	Honors General Physics II	3													
LANG	2030	Technical Communication I	3							3						
MATH	1012	Note: (MATH1012 OR MATH1013 OR MATH1023) AND (MATH1014 OR MATH1024) OR (MATH1020)	4													
MATH	1013	Calculus IA	4													
MATH	1014	Calculus IB	3													
MATH	1020	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						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	24-30												27	
Major Required Courses and Electives																
IEDA	1010	Academic and Professional Development I	0													
IEDA	1020	Academic and Professional Development II	0													
IEDA	1990	Note: IEDA1990 OR IEDA1991	0													
IEDA	1991	Industrial Training	0				0*	0^								
IEDA	1991	Industrial Experience	0													
IEDA	2010	Note: IEDA2010 OR IEDA2200	3													
IEDA	2200	Industrial Engineering and Decision Analytics	3													
IEDA	2200	Engineering Management	3													
IEDA	2100	Computing in Industrial Applications	3													
IEDA	2100	Computing in Industrial Applications	3													
IEDA	2150	Product Design	3													
IEDA	2410	Logistics and Freight Transportation Operations	3													
IEDA	2510	Engineering Probability and Statistics	4													
IEDA	2510	Engineering Probability and Statistics	4													
IEDA	3010**	Prescriptive Analytics	3													
IEDA	3010**	Prescriptive Analytics	3													
IEDA	3130	Ergonomics and Safety Management	3													
IEDA	3230	Engineering Economics and Accounting	3													
IEDA	3230	Engineering Economics and Accounting	3													
IEDA	3270	Quality Engineering	3													
IEDA	3270	Quality Engineering	3													
IEDA	3300	Industrial Data Systems	3													
IEDA	3300	Industrial Data Systems	3													
IEDA	4100	Integrated Production Systems	3													
IEDA	4100	Integrated Production Systems	3													
IEDA	4130	System Simulation	3													
IEDA	4130	System Simulation	3													
IEDA	4200	Design of Logistics and Manufacturing Systems	3													
IEDA	4200	Design of Logistics and Manufacturing Systems	3													
IEDA	4901	Note: IEDA4901 OR IEDA4990 (Students taking Research Option must take IEDA4901)	6													
IEDA	4901	Final Year Thesis	6													
IEDA	4990	Industrial Engineering Design Project	6													
ENGG	2010	Engineering Seminar Series	0													
ENGG	2010	Engineering Seminar Series	0													
LANG	4032	Technical Communication II for Industrial Engineering and Logistics Management	3													
LANG	4032	Technical Communication II for Industrial Engineering and Logistics Management	3													
IEDA/CENG/ELEC		IEEM Intermediate / Advanced Electives (3 courses from the specified elective list. Courses taken as Option Required Courses may not be counted towards this elective requirement.)	9													
		Required credits for Major Requirements Courses and Electives	58												55	
BBA in General Business Management																
School Requirements																
ACCT	2010	Principles of Accounting I	3													
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 ECOF 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	2010	Introduction to Information Systems	3													
ISOM	2500	Business Statistics	3													
ISOM	2500	Business Statistics	3													
ISOM	2700	Operations Management	3													
ISOM	2700	Operations Management	3													
MARK	2120	Marketing Management	3													
MGMT	2010	Business Ethics and the Individual	2													
MGMT	2010	Business Ethics and the Individual	2													
MGMT	2110	Organizational Behavior	3													
MGMT	2130	Business Ethics and Social Responsibility	2													
MGMT	2130	Business Ethics and Social Responsibility	2													
SBMT	1111	Business Student Induction	0													
SBMT	1111	Business Student Induction	0													
LABU	2040	Business Case Analyses	3													
LABU	2040	Business Case Analyses	3													
LABU	2060	Effective Communication in Business	3													
LABU	2060	Effective Communication in Business	3													
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4													
MATH	1012	Calculus and Linear Algebra	3													
MATH	1013	Calculus IA	4													
MATH	1013	Calculus IB	3													
MATH	1020	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
		Required credits for School Requirements	43-44												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													
Additional Requirements																
Requirements for Dual Degree Program																
Required Courses																
TEMG	1010	Technology and Management Professional Activities	0													
		Required credits for Additional Requirements	0													
University CORE																
CORE	C3 - C12	U CORE - Others	30													
CORE	C1 & C2	U CORE - English Language	6													
		Sub-total for University CORE	36													
Term load (excl. free credits)																
				18	18	15	19	20	18	18	18	18	18	16		
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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):
 - IEDA courses: Course code of IEDA courses will be changed to IEDA (effective from 2018-19)
 - IEDA