

||<< Declaration of major

School:		School of Engineering and School of Business Management		Student's Pathways (i.e. Study Pattern)											
Department:				Pathway 1											
Program:		Dual Degree Program (BEng in Industrial Engineering and Engineering Management and BBA in General Business Management)		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 Introduction to Computer Science	3-4												
COMP	1022P	Introduction to Computing with Java	3		3									3	This course will also be used to substitute ISOM 2010 (Except COMP2011)
COMP	1022Q	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 General Chemistry IA	2-3												
CHEM	1020	General Chemistry IB	3		3									3	
PHYS	1112	General Physics I with Calculus	3												
PHYS	1312	Honors General Physics I	3												
LANG	2030	Technical Communication I	3					3						3	
MATH	1012	Note: (MATH1012 OR MATH1013 OR MATH1023) AND (MATH1014 OR MATH1024) OR [MATH1020] Calculus IA	4												
MATH	1013	Calculus IB	3												
MATH	1014	Calculus II	3		3									6	
MATH	1020	Accelerated Calculus	4						3						
MATH	1023	Honors Calculus I	3												
MATH	1024	Honors Calculus II	3												
MATH	2011	Introduction to Multivariable Calculus	3						3					3	
MATH	2111	Matrix Algebra and Applications	3				3							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		(3)									0	
Required credits for Engineering Fundamental Courses			24-30											21	

Major Required Courses and Electives

IEDA	1010	Academic and Professional Development I	0			0	0							0	
IEDA	1020	Academic and Professional Development II	0					0	0					0	
IEDA	1990	Note: IEDA1990 OR IEDA1991 Industrial Training	0			0*	0^							0	
IEDA	1991	Industrial Experience	0												
IEDA	2520	Probability for Engineers	3			3								3	
IEDA	2540	Statistics for Engineers	3				3							3	
IEDA	3010	Prescriptive Analytics	3					3						3	
IEDA	3230	Engineering Economics and Accounting	3					3						3	
IEDA	3250	Stochastics Models	3						3					3	
IEDA	3300	Industrial Data Systems	3				3							3	
IEDA	4100	Integrated Production Systems	3								3			3	This course will also be used to substitute ISOM 2700
IEDA	4130	System Simulation	3								3			3	
IEDA	4901	Note: IEDA4901 OR IEDA4990 (Students taking Research Option must take IEDA4901) Final Year Thesis	6									3	3	6	
IEDA	4960	Industrial Engineering and Engineering Management Final Year Project	6												
ENGG	2010	Engineering Seminar Series	0			0	0	0	0	0	0	0	0	0	
ECON	2103	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics	3			3								3	
ECON	2113	Microeconomics	3												
LANG	4032	Technical Communication II for Industrial Engineering and Logistics Management	3									3		3	
IEDA		Area Courses	21			3	3	3		3		3	6	21	
Required credits for Major Requirements Courses and Electives			57											57	

BBA in General Business Management

School Requirements

ACCT	2010	Principles of Accounting I	3			3								3	
ACCT	2200	Principles of Accounting II	3						3					3	
ECON	2103	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics	3			(3)								0	
ECON	2113	Microeconomics	3												
ECON	3123	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123) Macroeconomics	3					3						3	
ECON	3123	Macroeconomic Theory I	3												
FINA	2303	Financial Management	3						3					3	
ISOM	2010	Introduction to Information Systems	3											0	Substituted by COMP 1021/1022P/1022Q
ISOM	2500	Business Statistics	3											0	Substituted by IEDA 2510
ISOM	2700	Operations Management	3											0	Substituted by IEDA 4100
MARK	2120	Marketing Management	3				3							3	
MGMT	2010	Business Ethics and the Individual	2					2						2	
MGMT	2110	Organizational Behavior	3					3						3	
MGMT	2130	Business Ethics and Social Responsibility	2									2		2	
SBMT	1111	Business Student Induction	0											0	Waived for DDP students
LABU	2040	Business Case Analyses	3					3						3	
LABU	2060	Effective Communication in Business	3											3	
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	3-4												
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			43-44											28	DDP students should take MATH 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees

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		3						9	3	7	7	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	0	0	0	0	0	0	0	0	0	0	0	
Required credits for Additional Requirements			0												0

University CORE

CORE	C3 - C12	U CORE - Others	30	6	6				6	6	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)

15	18	15	18	20	18	18	15	18	16
171##									

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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):