

<< Declaration of
 BEng major << Declaration of
 BBA major

School:		School of Engineering and School of Business Management			Student's Pathway											Remarks
Program:		Dual Degree Program (BEng in Industrial Engineering and Engineering Management and BBA in General Business Management)			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	
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List		Credits												
BEng in Industrial Engineering and Engineering Management																
Major Requirements																
Engineering Fundamental Courses																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H		3-5												
COMP	1022P	Introduction to Computer Science		3												
COMP	2011	Introduction to Computing with Java		3	3											3
COMP	2012H	Programming with C++		4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5												
CHEM	1020	Note: CHEM1020 OR PHYS1112 OR PHYS1312		3												
PHYS	1112	General Chemistry I		3	3											3
PHYS	1312	General Physics I with Calculus		3												
PHYS	1312	Honors General Physics I		3												
LANG	2030	Technical Communication I		3	-	-	-	-	-	-	-	-	-	-	-	0
Waived for DDP students																
MATH	1012	Note: (MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020)		4-7												
MATH	1013	Calculus IA		4												
MATH	1014	Calculus IB		3	3	3										6
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								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				22-27												18
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	1901	Industrial Training and Experience		0			0*	0*								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	Stochastic Models		3				3								3
IEDA	3300	Industrial Data Systems		3						3						3
IEDA	4100	Integrated Production Systems		3							3					3
IEDA	4130	System Simulation		3							3					3
This course will also be used to substitute ISOM 2700																
IEDA	4901	Note: IEDA 4901 OR IEDA 4960 (Students taking the Research Option must take IEDA 4901)		6									3	3		6
IEDA	4960	Final Year Thesis		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	0
ECON	2103	Note: ECON 2103 OR ECON 2113		3			3									3
ECON	2113	Principles of Microeconomics		3												
ECON	2113	Microeconomics		3												
LANG	4032	Technical Communication II for IEDA and ISDN		3										3		3
IEDA		Industrial Engineering Electives (Courses from the specified elective list, of which at least 15 credits should be taken from 1 of the 2 areas and at least 6 credits outside that area.)		21			6	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		3			(3)									0
ECON	2113	Principles of Microeconomics		3												
ECON	2113	Microeconomics		3												
ECON	2123	Note: ECON 2123 OR ECON 3123		3				3								3
ECON	3123	Macroeconomics		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/2011/2012H																
ISOM	2020	Coding for Business		1	-	-	-	-	-	-	-	-	-	-	-	0
Waived for DDP students if they have taken and passed COMP 1021 or COMP 1029P																
ISOM	2500	Business Statistics		3	-	-	-	-	-	-	-	-	-	-	-	0
Substituted by IEDA2540																
ISOM	2600	Introduction to Business Analytics		1				1								1
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
LABU	2040	Business Case Analyses		3	-	-	-	-	-	-	-	-	-	-	-	0
Waived for DDP students																
LABU	2060	Effective Communication in Business		3						3						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	(3)											0
MATH	1013	Calculus IB		3												
MATH	1020	Accelerated Calculus		4												
MATH	1023	Honors Calculus I		3												
Required credits for School Requirements				43-44												26
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	7	4	6	6	3			29
Required credits for Major Required Courses and Electives				29												29
Additional Requirements																
Requirements for Dual Degree Program																
Required Courses																
TEMG	1010	T&M Professional Activities		0	0	0	0	0	0	0	0	0	0	0	0	0
TEMG	3950	T&M Case Analysis and Product Innovation		3		3										3
TEMG	4950	T&M Corporate Consulting Project		3-5				4								4
Required credits for Additional Requirements				7												7
University CORE																
CORE	C3 - C9	U CORE - Others		21			3		6	3	6	3				21
CORE	C1 & C2	U CORE - English Language		6	3	3										6
CORE	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness		3	0	3										3
Sub-total for University CORE				30												30
Term load (excl. free credits)																
15	15	18	18	17	18	16	18	17	15							
167##																

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):