

<< 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 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	
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	Introduction to Computer Science		3-5											
COMP	1022P	Introduction to Computing with Java		3	3										
COMP	2011	Programming with C++		4											
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5											
CHEM	1020	General Chemistry I		3	3										
PHYS	1112	General Physics I with Calculus		3											
PHYS	1312	Honors General Physics I		3											
LANG	2030	Technical Communication I		3	-	-	-	-	-	-	-	-	-	-	0
Note: CHEM1020 OR PHYS1112 OR PHYS1312				4-7											
MATH	1012	Calculus IA		4											
MATH	1013	Calculus IB		3	3	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				3							
MATH	2111	Matrix Algebra and Applications		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
Note: IEDA 4901 OR IEDA 4960 (Students taking the Research Option must take IEDA 4901)				6								3	3		6
IEDA	4901	Final Year Thesis		6											6
IEDA	4960	Industrial Engineering and Engineering Management Final Year Project		6											6
ENGG	2010	Engineering Seminar Series		0			0	0	0	0	0	0	0	0	0
Note: ECON 2103 OR ECON 2113				3											
ECON	2103	Principles of Microeconomics		3			3								3
ECON	2113	Microeconomics		3											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 Management															
School Requirements															
ACCT	2010	Principles of Accounting I		3	3										3
ACCT	2200	Principles of Accounting II		3					3						3
Note: ECON 2103 OR ECON 2113				3			3								3
ECON	2103	Principles of Microeconomics		3											3
ECON	2113	Microeconomics		3											3
Note: ECON 2123 OR ECON 3123				3					3						3
ECON	2123	Macroeconomics		3											3
ECON	3123	Macroeconomic Theory I		3											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	3										3
Substituted by IEDA2540															
ISOM	2600	Introduction to Business Analytics		1				1							1
ISOM	2700	Operations Management		3									3		3
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 2110 is a major pre-requisite															
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
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	(3)										
MATH	1020	Accelerated Calculus		4											
MATH	1023	Honors Calculus I		3											
Required credits for School Requirements				43-44											35
Major Requirements															
Major Required Courses and Electives															
MGMT	3110	Human Resources Management		4				4							4
MGMT	3120	Managerial Leadership		4											4
Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.)															
MGMT	3130	Judgement and Decision Making in Organizations		4					4						4
MGMT	3140	Negotiation		4											4
Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.)				3-4											
MGMT	4210	Corporate Strategy		3						3					3
MGMT	4220	Entrepreneurship and Innovation		4											4
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)		9							3	3	3		9
Students in the Consulting Option are recommended to take MGMT 4220 and a new course in Simulating Strategy to fulfill the major elective requirement															
Required credits for Major Required Courses and Electives				20-21											20
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
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						6	6	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)															
					18	15	18	15	18	16	18	15	17	17	
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):

>> 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.