

<< 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	Sub-total		
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits														
<b>BEng in Industrial Engineering and Engineering Management</b>																	
<b>Major Requirements</b>																	
<b>Engineering Fundamental Courses</b>																	
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H Introduction to Computer Science	3-5														
COMP	1022P	Introduction to Computing with Java	3														
COMP	2011	Programming with C++	4	3													3
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5														
ENGG	1010	Academic Orientation	0	0	0												0
CHEM	1010	Note: CHEM1010 OR CHEM1020 OR PHYS1112 OR PHYS1312 General Chemistry IA	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	-	-	-	-	-	-	-	-	-	-	-	-	-	0
MATH	1012	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus IA	4-7														
MATH	1013	Calculus IB	3	3	3												6
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										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
<b>Required credits for Engineering Fundamental Courses</b>			22-27														18
<b>Major Required Courses and Electives</b>																	
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
IEDA	4901	Note: IEDA 4901 OR IEDA 4960 (Students taking the Research Option must take IEDA 4901) Final Year Thesis	6										3	3			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	0	0	0
ECON	2103	Note: ECON 2103 OR ECON 2113 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
<b>Required credits for Major Requirements Courses and Electives</b>			57														57
<b>BBA in Management</b>																	
<b>School Requirements</b>																	
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														3
ECON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics	3					3									3
ECON	3123	Macroeconomic Theory I	3														3
FINA	2303	Financial Management	3				3										3
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	-	-	-	0
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	-	-	-	0
ISOM	2500	Business Statistics	3	-	-	-	-	-	-	-	-	-	-	-	-	-	0
ISOM	2600	Introduction to Business Analytics	1					1									1
ISOM	2700	Operations Management	3	-	-	-	-	-	-	-	-	-	-	-	-	-	0
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
LABU	2040	Business Case Analyses	3	-	-	-	-	-	-	-	-	-	-	-	-	-	0
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 Calculus and Linear Algebra	3-4														
MATH	1012	Calculus IA	4														
MATH	1013	Calculus IB	3	(3)													0
MATH	1020	Accelerated Calculus	4														
MATH	1023	Honors Calculus I	3														
<b>Required credits for School Requirements</b>			43-44														26
<b>Major Requirements</b>																	
<b>Major Required Courses and Electives</b>																	
MGMT	3110	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.) Human Resources Management	4						4								4
MGMT	3120	Managerial Leadership	4														4
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.) Judgement and Decision Making in Organizations	4							4							4
MGMT	3140	Negotiation	4														4
MGMT	4210	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.) Corporate Strategy	3-4								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
<b>Required credits for Major Required Courses and Electives</b>			20-21														20
<b>Additional Requirements</b>																	
<b>Requirements for Dual Degree Program</b>																	
<b>Required Courses</b>																	
TEMG	1010	T&M Professional Activities	0	0	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
<b>Required credits for Additional Requirements</b>			7														7
<b>University CORE</b>																	
CORE	C3 - C12	U CORE - Others	30		3					9	3	6	6	3			30
CORE	C1 & C2	U CORE - English Language	6	3	3												6
<b>Sub-total for University CORE</b>			36														36
Term load (excl. free credits)																	
15 15 15 18 18 18 18 15 17 15																	
164##																	
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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):

>> 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.