

<< Declaration of major

School:		School of Engineering and School of Business Management			Student's Pathway											
Program:		Dual Degree Program (BEng in Industrial Engineering and Engineering Management and BBA in General Business Management)														
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		

**BEng in Industrial Engineering and Engineering Management**

**Major Requirements**

Engineering Fundamental Courses

COMP	1021	Note: COMP1021 OR COMP1022P OR COMP1022Q OR COMP2011 Introduction to Computer Science	3-4												
COMP	1022P		3												
COMP	1022Q		3	3											3
COMP	2011		4												
ENGG	1010	Academic Orientation	0	0	0									0	
CHEM	1010	Note: CHEM1010 OR CHEM1020 OR PHYS1112 OR PHYS1312 General Chemistry IA	3												
CHEM	1020		3	3										3	
PHYS	1112		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		3												
MATH	1014		3	3	3									6	
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											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		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	Operations Research II**	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: IEDA4901 OR IEDA4902 Final Year Thesis	6								3		3	6
IEDA	4960		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		3											
LANG	4032	Technical Communication II for Industrial Engineering and Decision Analytics	3								3			3
IEDA		Industrial Engineering Electives (Courses from the specified 21 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

**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		3											
ECON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics	3					3						3
ECON	3123		3											
FINA	2303	Financial Management	3						3					3
ISOM	2010	Introduction to Information Systems	3	---	---	---	---	---	---	---	---	---	---	0
ISOM	2020	Coding for Business	1					1						1
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				3							3
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		3											
MATH	1013		4	(3)										0
MATH	1020		3											
MATH	1023		4											
<b>Required credits for School Requirements</b>			43-44											30

**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
<b>Required credits for Major Required Courses and Electives</b>			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
TEMG	3950	Case-based Problem Solving	2			2								2
<b>Required credits for Additional Requirements</b>			0											2

**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
<b>Sub-total for University CORE</b>			36											36

Term load (excl. free credits)											
18	17	18	18	19	18	18	18	18	15	18	16
175##											

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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 3250: The course title will be changed to "Stochastic Models" starting from Spring, 2019-20.

>> 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.