

<< 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	3-4													
COMP	1022P	Introduction to Computer Science	3	3											3	This course will also be used to substitute ISOM 2010
COMP	1022Q	Introduction to Computing with Java	3													
COMP	1022Q	Introduction to Computing with Excel VBA	3													
COMP	2011	Programming with C++	4													
ENGG	1010	Academic Orientation	0	0	0										0	
CHEM	1010	Note: CHEM1010 OR CHEM1020 OR PHYS1112 OR PHYS1312	3													
CHEM	1020	General Chemistry IA	3	3											3	
PHYS	1112	General Chemistry IB	3													
PHYS	1312	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)	4-7													
MATH	1013	Calculus IA	4													
MATH	1014	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	
Required credits for Engineering Fundamental Courses				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	0			0*	0*									0
IEDA	1991	Industrial Training	0													
IEDA	2520	Industrial Experience	0													
IEDA	2520	Probability for Engineers	3			3									3	
IEDA	2540	Statistics for Engineers	3					3							3	This course will also be used to substitute ISOM 2500
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	This course will also be used to substitute ISOM 2700
IEDA	4130	System Simulation	3									3			3	
IEDA	4901	Note: IEDA4901 OR IEDA4990	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: ECON2103 OR ECON 2113	3													
ECON	2113	Principles of Microeconomics	3			3									3	
ECON	2113	Microeconomics	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	
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									3				3
FINA	2303	Financial Management	3													
ISOM	2010	Introduction to Information Systems	3													0
ISOM	2020	Coding for Business	1													0
ISOM	2500	Business Statistics	3													1
ISOM	2600	Introduction to Business Analytics	1													1
ISOM	2700	Operations Management	3													0
MARK	2120	Marketing Management	3													0
MGMT	2010	Business Ethics and the Individual	2													1
MGMT	2110	Organizational Behavior	3													2
MGMT	2130	Business Ethics and Social Responsibility	2													3
SBMT	1111	Business Student Induction	0													0
LABU	2040	Business Case Analyses	3													0
LABU	2060	Business Case Studies	3													0
LABU	2060	Effective Communication in Business	3													0
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													
MATH	1013	Calculus IB	3													
MATH	1020	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
Required credits for School Requirements				43-44											30	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
TEMG	3950	Case-based Problem Solving	2			2										2
Required credits for Additional Requirements				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
Sub-total for University CORE				36												36

Term load (excl. free credits)

18	17	18	18	19	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.