

<< 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	3-4													
COMP	1022P	Introduction to Computer Science	3	3											3	
COMP	2011	Introduction to Computing with Java 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 Honors General Physics I	3													
LANG	2030	Technical Communication I	3					3							3	
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	1023	Accelerated Calculus	4													
MATH	1024	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 Industrial Experience	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: IEDA4901 OR IEDA4990	6									3	3		6	
IEDA	4960	Final Year Thesis 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 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 Microeconomics	3													
ECON	2123	Note: ECON 2123 OR ECON 3123	3				3								3	
ECON	3123	Macroeconomics Macroeconomic Theory I	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	3-4													
MATH	1012	Calculus and Linear Algebra	3													
MATH	1013	Calculus IA	4	(3)												
MATH	1013	Calculus IB	3													
MATH	1020	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
Required credits for School Requirements			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	
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	0	
TEMG	3950	Case-based Problem Solving	3		3										3	
Required credits for Additional Requirements			3												3	
University CORE																
CORE	C3 - C12	U CORE - Others	30	6	6			3	6	3	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	18	18	18	19	18	18	17	16	16			
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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.