

<< 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 Global Business)			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 OR COMP2012H	3-5													
COMP	1022P	Introduction to Computer Science	3													
COMP	2011	Introduction to Computing with Java	3	3												
COMP	2012H	Programming with C++	4													
		Honors Object-Oriented Programming and Data Structures	5													
CHEM	1012	Note: CHEM1012 OR PHYS1112 OR PHYS1312	3													
PHYS	1112	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3	3												
PHYS	1312	General Physics I with Calculus	3													
		Honors General Physics I	4													
		Note: (MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020)	4-7													
MATH	1012	Calculus IA	4													
MATH	1013	Calculus IB	3													
MATH	1014	Calculus II	3	3	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)												
Required credits for Engineering Fundamental Courses			19-25													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		
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)	6											3	3	6
IEDA	4960	Final Year Thesis	6													6
ENGG	2010	Industrial Engineering and Engineering Management Final Year Project	6													6
ENGG	2010	Engineering Seminar Series	0				0	0	0	0						0
ECON	2103	Note: ECON 2103 OR ECON 2113	3													3
ECON	2113	Principles of Microeconomics	3					3								3
ECON	2113	Microeconomics	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			54													54
BBA in Global Business																
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													0
ECON	2113	Microeconomics	3													0
ECON	2123	Note: ECON 2123 OR ECON 3123	3							3						3
ECON	3123	Macroeconomics	3													3
FINA	2303	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
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
MGMT	2130	Business Ethics and Social Responsibility	2										2			2
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4													0
MATH	1012	Calculus and Linear Algebra	3													0
MATH	1013	Calculus IA	4													0
MATH	1013	Calculus IB	3													0
MATH	1020	Accelerated Calculus	4													0
MATH	1023	Honors Calculus I	3													0
Required credits for School Requirements			39-40													23
Major Requirements																
Major Required Courses and Electives																
GBUS	1000	Global Leadership Development	0						0	0	0	0	0	0	0	0
GBUS	2010	Global Business Analysis	3							3						3
GBUS/SBMT	2020	Note: GBUS 2020 OR GBUS 2040 OR SBMT 2100-2110	1-4													1
GBUS	2040	Public Service Project	1							1		[1]				1
GBUS	2040	Environmental, Social, and Governance (ESG) Corporate Project	1													1
GBUS	2100-2110	Community Services Project	4													4
GBUS/ISOM	3030	Note: GBUS 3030 OR ISOM 4780	3-4													3
GBUS	4780	Global Business Case Studies	4										3	[3]		3
ISOM	4780	Integrated Planning and Execution	3													3
GBUS	4910	Capstone Project	4											4	[4]	4
GBUS		Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each area and at least 2 courses must be offered by GBUS. Courses taken to fulfill requirements of an additional major in SBM may not be counted towards this elective requirement.)	15										6	3	6	15
Required credits for Major Required Courses and Electives			26-30													26
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	0	0
TEMG	3950	T&M Case Analysis and Product Innovation	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	3			3	6	3					21
CORE	C1 & C2	U CORE - English Language	6	3	3											6
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2											3
Sub-total for University CORE			30													30
Term load (excl. free credits)																
16 17 18 18 16 15 14 15 13 16																
158##																

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.