

<< 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	
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												
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
CHEM	1020	Note: CHEM1020 OR PHYS1112 OR PHYS1312	3												
PHYS	1112	General Chemistry I	3												
PHYS	1312	General Physics I with Calculus	3	3											
PHYS	1312	Honors General Physics I	3												
LANG	2030	Technical Communication I	3												
LANG	2030	Technical Communication II	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												
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			22-27												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^							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
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
ECON	2103	Note: ECON 2103 OR ECON 2113	3				3								3
ECON	2113	Principles of Microeconomics	3				3								3
ECON	2113	Microeconomics	3				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
Required credits for Major Requirements Courses and Electives			57												57
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								3
ECON	2113	Principles of Microeconomics	3				3								3
ECON	2113	Microeconomics	3				3								3
ECON	2123	Note: ECON 2123 OR ECON 3123	3						3						3
ECON	3123	Macroeconomics	3						3						3
ECON	3123	Macroeconomic Theory I	3						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	3											3
ISOM	2600	Introduction to Business Analytics	1						1						1
ISOM	2700	Operations Management	3										3		3
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
LABU	2040	Business Case Analyses	3												0
LABU	2060	Effective Communication in Business	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	4												
MATH	1013	Calculus IA	3												
MATH	1013	Calculus IB	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
Required credits for School Requirements			43-44												35
Major Requirements															
Major Required Courses and Electives															
GBUS	1000	Global Leadership Development	0						0	0	0	0	0	0	0
GBUS	2010	Global Business Analysis	3							3					3
GBUS	2020	Public Service Project	1							1	[1]				1
GBUS/ISOM	3030	Note: GBUS 3030 OR ISOM2040	3-4												
GBUS	2040	Global Business Case Studies	4								4	[3]			4
ISOM	2040	Business Simulation and Strategic Decisions	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
Required credits for Major Required Courses and Electives			26-27												27
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
TEMG	3950	T&M Case Analysis and Product Innovation	3		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				3			6	6	6			21
CORE	C1 & C2	U CORE - English Language	6	3	3										6
CORE	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	0	3										3
Sub-total for University CORE			30												30
Term load (excl. free credits)															
18 15 18 18 10 20 19 18 18 20															
174##															

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.