

<< 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 Marketing)			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													
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	3												
PHYS	1312	General Physics I with Calculus	3													
PHYS	1312	Honors General Physics I	3													
LANG	2030	Technical Communication I	3	-	-	-	-	-	-	-	-	-	-	-	-	0
		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	3	3											
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									
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		
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
ENG	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									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 Marketing																
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				(3)									0
ECON	2113	Microeconomics	3				(3)									0
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	---	---	---	---	---	---	---	---	---	---	---	---	0
ISOM	2600	Introduction to Business Analytics	1	---	---	---	---	---	---	---	---	---	---	---	---	0
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
LANG	2061	Note: LANG 2061 OR 2062 OR 3060	3										3			3
LANG	2062	Professional Writing for the Workplace	3										3			3
LANG	3060	Professional Speaking for the Workplace	3										3			3
LANG	3060	Advanced Academic Writing	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													26
Major Requirements																
Major Required Courses and Electives																
MARK	3220	Marketing Research	4						4							4
MARK	3420	Consumer Behavior	4							4						4
MARK	4210	Strategic Marketing	4								4					4
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)	12									4	4	4		12
Required credits for Major Required Courses and Electives			24													24
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									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					6	3	3	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 15 18 17 15 15 16 16 17																
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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):