

<< 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 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 Introduction to Computer Science		3-4															
COMP	1022P	Introduction to Computing with Java		3	3											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 General Chemistry IA		3															
CHEM	1020	General Chemistry IB		3	3											3			
PHYS	1112	General Physics I with Calculus		3															
PHYS	1312	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	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 Industrial Training		0				0*	0*							0			
IEDA	1991	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 Final Year Thesis		6										3	3	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 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	21			
Required credits for Major Requirements Courses and Electives				57												57			
BBA in 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 Principles of Microeconomics		3				(3)								0			
ECON	2113	Microeconomics		3															
ECON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics		3					3							3			
ECON	3123	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								0			
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 Calculus and Linear Algebra		3-4															
MATH	1012	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												27			
Major Requirements																			
Major Required Courses and Electives																			
MGMT	3110	Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.)		4									4			4			
MGMT	3120	Human Resources Management Managerial Leadership		4															
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)		4															
MGMT	3140	Judgement and Decision Making in Organizations Negotiation		4						4						4			
MGMT	4210	Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.)		3-4									3			3			
MGMT	4220	Corporate Strategy Entrepreneurship and Innovation		4															
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)		9									3	3	3	9			
Required credits for Major Required Courses and Electives				20-21												20			
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	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 15 18 18 18 18 18 15 14 12																			
164##																			

Notes:

- () indicates the reuse of the same course to fulfill more than one requirement.
- [] denotes the course is also offered in other terms as indicated and students may take the course in one of these subject to advice by the program office.
- * 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.