

cc Declaration of
BEng major

School:			School of Engineering and School of Business Management										Student's Pathway		
Program:			Dual Degree Program (BEng in Industrial Engineering and Engineering Management and BBA in General Business Management)										Remarks		
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring				
BEng in Industrial Engineering and Engineering Management															
Engineering Fundamental Courses															
COMP	1023	Notes: COMP1023 OR COMP2011 OR COMP2012H	3-5												
COMP	1011	Introduction to Python Programming	3	3								3	Students should take COMP 1023, COMP 2011 or COMP 2012H which will also be used to substitute ISOM 2010 and to waive ISOM 2020		
COMP	2012H	Programming with C++ Honors Object-Oriented Programming and Data Structures	5												
CHEM	1012	Notes: CHEM1012 OR PHYS1112 OR PHYS1312	3												
PHYS	1112	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3	3								3			
PHYS	1312	General Physics I with Calculus Honors General Physics I	3												
MATH	1013	Notes: (MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1025)	4-6												
MATH	1014	Calculus I	3		3	3						6	DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees		
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			
Required Credits for Engineering Fundamental Courses				16-20	9	3	3	3	3	0	0	0	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			
IEDA	2010	Introduction of Industrial Engineering and Decision Analytics	3	3								3			
IEDA	2020	Probability for Engineers	3				3					3			
IEDA	2040	Statistics for Engineers	3					3				3	This course will also be used to substitute ISOM2050		
IEDA	3010	Prescriptive Analytics	3					3				3			
IEDA	3230	Engineering Economics and Accounting	3			3						3			
IEDA	3250	Stochastic Models	3				3					3			
IEDA	3260	Industrial Data Systems	3			3						3			
IEDA	4100	Integrated Production Systems	3					3				3	Substitute ISOM 2700		
IEDA	4130	System Simulation	3					3				3			
IEDA	4901	Notes: IEDA 4901 OR IEDA 4960	6												
IEDA	4960	Final Year Thesis Industrial Engineering and Engineering Management Final Year Project	6									3	6		
ECON	2103	Notes: ECON 2103 OR ECON 2113	3												
ECON	2113	Principles of Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2113	Microeconomics	3			</									

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.