

← 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 Decision Analytics 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 Decision Analytics																
Major Requirements																
Engineering Fundamental Courses																
COMP	1021	Note: COMP 1021 OR COMP 1022P OR COMP 2011	3-4													
COMP	1022P	Introduction to Computer Science	3		3									3	This course will also be used to substitute ISOM 2010	
COMP	2011	Introduction to Computing with Java Programming with C++	4													
ENGG	1010	Academic Orientation	0	0	0									0		
CHEM	1010	Note: CHEM1010 OR CHEM1020 OR PHYS1112 OR PHYS1312	3													
CHEM	1020	General Chemistry IA	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 I	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	0			0	0	0	0	0	0	0	0	0		
IEDA	1991	Industrial Training Experience	0													
IEDA	2520	Probability for Engineers	3			3								3		
IEDA	2540	Statistics for Engineers	3				3							3	This course will also be used to substitute ISOM2500	
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	3560	Predictive Analytics	3						3					3		
IEDA	4901	Note: IEDA4901 OR IEDA4920	6									3	3	6		
IEDA	4920	Final Year Thesis Decision Analytics Final Year Project	6													
ENGG	2010	Engineering Seminar Series	0			0	0	0	0					0		
ECON	2103	Note: ECON2103 OR ECON2113	3			3								3		
ECON	2113	Principles of Microeconomics	3													
LANG	4032	Technical Communication II for Industrial Engineering and Decision Analytics	3						3					3		
IEDA		Area Electives (5 courses from the specified elective list, of which all 5 courses should be taken from the same area)	15						3	6	3	3		15		
Required credits for Major Required Courses and Electives			48											48		
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	3			(3)								0		
ECON	2113	Principles of Microeconomics	3													
ECON	2123	Note: ECON 2123 OR ECON 3123	3									3		3		
ECON	3123	Macroeconomics	3													
FINA	2303	Financial Management	3					3						3		
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	Substituted by COMP 1021/1022P/2011	
ISOM	2020	Coding for Business	1						1					1		
ISOM	2500	Business Statistics	3	-	-	-	-	-	-	-	-	-	-	0	Substituted by IEDA2540	
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 2110 is a major pre-requisite	
MGMT	2130	Business Ethics and Social Responsibility	2								2			2		
SBMT	1111	Business Student Induction	0	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students	
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	3-4													
MATH	1012	Calculus and Linear Algebra	3													
MATH	1013	Calculus IA	4	(3)										0	DDP students should take MATH 1012 or 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													
Required credits for School Requirements			43-44											33		
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													
MGMT	3120	Human Resources Management	4						4					4	Students in the Consulting Option must take MGMT 3120	
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	4					4						4	Students in the Consulting Option must take MGMT 3140	
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													
MGMT	4220	Corporate Strategy	3								3			3	Students in the Consulting Option must take MGMT 4210	
MGMT		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	Students in the Consulting Option are recommended to take MGMT 4220 and a new course in Stimulating Strategy to fulfill the major elective requirement	
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		
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	9	6		3			3	3		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	18	18	18	17	19	17	12	12	12			
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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.
--- denotes the course/requirement is either waived or substituted
To graduate, students should complete all requirements specified for DDP.

**Remarks on course(s):