

<< 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 Finance)																	
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	Year 5 Fall	Year 5 Spring	Grad total				
BEng in Decision Analytics																			
Engineering Fundamental Courses																			
COMP 1023	1023	New: COMP1023 OR COMP2011 OR COMP2012H		3-6															
COMP 2011	2011	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	2012H	Honors Object-Oriented Programming and Data Structures		4															
		Honors Object-Oriented Programming and Data Structures		5															
CHEM 1012	1012	General Chemistry II: Atomic Structure, Molecules, and Bonding Theories		3	3										3				
PHYS 1012	1012	General Physics I with Calculus		3															
PHYS 1012	1012	Honors General Physics I		3															
MATH 1013	1013	New: (MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1026)		4-6															
MATH 1014	1014	Calculus I		3		3	3									DGP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees			
MATH 1020	1020	Accelerated Calculus		4															
MATH 1023	1023	Honors Calculus I		3															
MATH 1024	1024	Honors Calculus II		3				3											
MATH 2011	2011	Introduction to Multivariable Calculus		3											3				
MATH 2111	2111	Matrix Algebra and Applications		3			3	3							3				
Required credits for Engineering Fundamental Courses				16-20	9	3	3	3	3	0	0	0	0	0	0	18			
Major Required Courses and Electives																			
IEDA 1010	1010	Academic and Professional Development I		0	0	0										0			
IEDA 1020	1020	Academic and Professional Development II		0			0	0								0			
IEDA 1001	1001	Industrial Training and Experience		0												0			
IEDA 2010	2010	Introduction of Industrial Engineering and Decision Analytics		3	3											3			
IEDA 2020	2020	Probability for Engineers		3				3								3			
IEDA 2040	2040	Statistics for Engineers		3	-	-	-	-	-	-	-	-	-	-	-	0			
IEDA 3010	3010	Prescriptive Analytics		3					3							3			
IEDA 3030	3030	Engineering Economics and Accounting		3												3			
IEDA 3050	3050	Stochastic Models		3				3								3			
IEDA 3300	3300	Industrial Data Systems		3			3									3			
IEDA 3500	3500	Predictive Analytics		3						3						3			
IEDA 4001	4001	New: IEDA4001 OR IEDA4020		6															
IEDA 4020	4020	Final Year Thesis: Research, Analysis, Final Year Project		6										3	3	6			
IEDA 4020	4020	Honors Analysis Final Year Project		6															
ECON 2103	2103	New: ECON2103 OR ECON2113		3												3			
ECON 2113	2113	Principles of Microeconomics		3		3										3			
ECON 2113	2113	Microeconomics: Theory I		3															
IEDA/ISOM		Area Electives (5 courses from the specified elective list, of which all 5 courses should be taken from the same area)		15					3	0	3	3	3			15			
BEng in Decision Analytics Major Requirements				46	3	3	3	0	6	6	0	3	0	3	0	40			
BBA in Finance																			
School Requirements																			
ACCT 2010	2010	Principles of Accounting I		3	3											3			
ACCT 2000	2000	Principles of Accounting II		3				3											
ECON 2103	2103	New: ECON 2103 OR ECON2113		3												3			
ECON 2113	2113	Principles of Microeconomics		3			(3)									0			
ECON 2113	2113	Microeconomics: Theory I		3															
ECON 2125	2125	New: ECON 2125 OR ECON 3123		3						3						3			
ECON 3123	3123	Microeconomics: Theory I		3															
FINA 2303	2303	Financial Management		3			3									3			
FINA 2303	2303	Financial Management		3												3			
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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)

=> 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.