

<< 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)			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: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5												
COMP	1022P	Introduction to Computer Science	3		3										3
COMP	2011	Introduction to Computing with Java	3												
COMP	2012H	Programming with C++	4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
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												
PHYS	1112	General Chemistry B	3	3											3
PHYS	1312	General Physics I with Calculus	3												
PHYS	1312	Honors General Physics I	3												
LANG	2030	Technical Communication I	3	---	---	---	---	---	---	---	---	---	---	---	0
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	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								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												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*						0
IEDA	2520	Probability for Engineers	3			3									3
IEDA	2540	Statistics for Engineers	3	---	---	---	---	---	---	---	---	---	---	---	0
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												6
ENGG	2010	Engineering Seminar Series	0			0	0	0	0						0
ECON	2103	Note: ECON2103 OR ECON2113	3												3
ECON	2113	Principles of Microeconomics / Microeconomics	3			3									3
LANG	4032	Technical Communication II for IEDA and ISDN	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												45
BBA in Finance															
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 / Microeconomics	3												0
ECON	2123	Note: ECON 2123 OR ECON 3123	3									3			3
ECON	3123	Macroeconomics / Macroeconomic Theory I	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			3									3
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	2130	Business Ethics and Social Responsibility	2							2					2
SBMT	1111	Business Student Induction	0	---	---	---	---	---	---	---	---	---	---	---	0
LABU	2040	Business Case Analyses	3	---	---	---	---	---	---	---	---	---	---	---	0
LABU	2060	Effective Communication in Business	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												
MATH	1013	Calculus IB	3	(3)											0
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
Required credits for School Requirements			43-44												32
Major Requirements															
Major Required Courses and Electives															
FINA	3001	Key Skills for Finance Professionals (A)	1					1							1
FINA	3103	Intermediate Investments	3					3							3
FINA	3203	Derivative Securities	3						3						3
FINA	3303	Intermediate Corporate Finance	3							3					3
FINA	3810	Bloomberg Market Concepts Certification	0					0							0
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6												
ACCT	3020	Financial Accounting I	3							3					3
ACCT	3030	Financial Accounting II / Intermediate Financial Accounting for Non-Accounting Majors	3												3
ISOM	3230	Note: ISOM 3230 OR ISOM 3400	3												
ISOM	3400	Business Applications Programming / Python Programming for Business Analytics	3						3						3
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9								3	3	3		9
Required credits for Major Required Courses and Electives			25-28												25
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
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 - C12	U CORE - Others	30	3	3	3	3	3			3			3	9
CORE	C1 & C2	U CORE - English Language	6	3	3										6
Sub-total for University CORE			36												36
Term load (excl. free credits)															
				15	15	18	15	16	19	17	18	15	15		
163##															

Notes:

- () indicates the reuse of the same course to fulfill more than one requirement.
- denotes the course/requirement is either waived or substituted
- ## To graduate, students should complete all requirements specified for DDP.

**Remarks on course(s):