

			<< Selection of BEng major		<< Declaration of BEng major		<< Selection of BBA major											
School:			School of Engineering and School of Business Management										Student's Pathway					
Program:			Dual Degree Program (BEng in Mechanical Engineering and BBA in Marketing)															
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	Sub-total	Remarks			
BEng in Mechanical Engineering																		
Engineering Fundamental Courses																		
COMP	1023	Note: COMP1023 OR COMP2011 OR COMP2012H	3-5															
COMP	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	Honors Object-Oriented Programming and Data Structures	5															
MATH	1013	Note: [MATH 1013 OR MATH1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1020]	4-7															
MATH	1014	Calculus I	3	3	3										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 Multivariate Calculus	3			3								3				
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351	3															
MATH	2350	Matrix Algebra and Applications	3				3							3				
MATH	2351	Applied Linear Algebra and Differential Equations	3															
MATH	2351	Introduction to Differential Equations	3															
PHYS	1112	Note: PHYS1112 OR PHYS1312	3															
PHYS	1312	General Physics I with Calculus	3		3									3				
PHYS	1312	Honors General Physics I	3															
		Science 1000-level course (1 course of the specified course list)	3-4															
CHEM	1008	Introductory Chemistry	3		3													
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3											3				
LIFS	1001	General Biology I	3															
PHYS	1301	Introductory Physics	4															
Required Credits for Engineering Fundamental Courses			19-25	6	9	3	3	0	0	0	0	0	0	21				
Major Required Courses and Electives																		
MECH	1001	Academic and Professional Development I	0	0	0	0	0							0				
MECH	1910	Foundations of Mechanical and Aerospace Engineering	3	3										3				
MECH	1990	Industrial Training	0			0*	0*							0				
MECH	2002	Academic and Professional Development II	0					0	0	0	0	0	0	0				
MECH	2020	Statics and Dynamics	3			3								3				
MECH	2040	Solid Mechanics I	3				3							3				
MECH	2210	Fluid Mechanics	3				3							3				
MECH	2310	Thermodynamics	3			3								3				
MECH	2410	Engineering Materials I	3				3							3				
MECH	2520	Design and Manufacturing I	3					3						3				
MECH	3030	Mechanisms of Machinery	3					3						3				
MECH		Note: MECH3030 OR MECH3420 I OR MECH3710	3															
MECH	3300	Energy Conversion	3				3											
MECH	3420	Engineering Materials II	3															
MECH	3710	Manufacturing Processes and Systems	3															
MECH	3810	Heat Transfer	3					3						3				
MECH	3810	Control Principles	3					3						3				
MECH	3830	Electrical Technology	3						3					3				
MECH	3830	Laboratory	3						3					3				
MECH	3907	Mechatronic Design and Prototyping	3						3					3				
MECH	4900	Final Year Design Project	6									3	3	6				
ELEC	2420	Basic Electronics	3				3							3				
BEng in Mechanical Engineering Major Requirements			51	3	0	9	12	12	9	0	0	3	3	51				
BBA in Marketing																		
School Requirements																		
ACCT	2010	Principles of Accounting I	3	3										3				
ACCT	2200	Principles of Accounting II	3								3			3				
ECON		Note: ECON 2103 OR ECON 2113	3															
ECON	2103	Principles of Microeconomics	3		3									3				
ECON	2113	Microeconomics	3															
ECON		Note: ECON 2123 OR ECON 3123	3															
ECON	2123	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	COMP 1023, COMP 2011 or COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP 1023, COMP 2011 or COMP 2012H instead of ISOM 2010.			
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 or COMP 2012H. These COMP courses are either more advanced coding (Python) courses as ISOM 2020.			
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	MARK 2120 is a major pre-requisite			
MGMT	2010	Business Ethics and the Individual	2								2			2				
MGMT	2110	Organizational Behavior	3											3				
MGMT	2130	Business Ethics and Social Responsibility	2									2		2				
MATH		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4															
MATH	1003	Calculus and Linear Algebra	3												DDP students should take MATH-1013 and MATH-1023 or MATH-1020 to satisfy the requirements of both BEng and BBA degrees			
MATH	1013	Calculus III	3	(3)														
MATH	1020	Accelerated Calculus	4															
MATH	1023	Honors Calculus I	3															
Required Credits for School Requirements			39-40	6	3	6	3	1	0	3	3	5	2	32				
Major Required Courses and Electives																		
MARK	3220	Marketing Research	4					4						4				
MARK	3420	Consumer Behavior	4						4					4				
MARK	4210	Strategic Marketing	4							4				4				
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)	12								4	4	4	4	12			
Required Credits for Major Required Courses and Electives			24	0	0	0	0	0	4	4	4	4	4	24				
Additional Requirements for Dual Degree																		
Requirements for Dual Degree Program																		
TEMS	1011	T&M Professional Activities I	0	0	0	0								0				
TEMS	1012	T&M Professional Activities II	0			0	0							0				
TEMS	1013	T&M Professional Activities III	0					0	0					0				
TEMS	1014	T&M Professional Activities IV	0							0	0			0				
TEMS	1015	T&M Professional Activities V	0									0	0	0				
TEMS	3950	T&M Case Analysis and Product Innovation	3		3									3				
TEMS	4050	T&M Corporate Consulting Project	3-5						4					4				
Required Credits for Additional Requirements			7	0	3	0	0	0	4	0	0	0	0	7				
University Common Core Requirement																		
CORE	C3 - C9	U CORE - Others	21								9	9		3	21			
CORE	C1 & C2	U CORE - English Language	6	3	3									6				
HAW	1905	Behavioral Foundations of University Education: Habits, Motives, and Wellness	3	1	2													
Sub-total for University CORE			30	4	5	0	0	0	0	0	9	9	0	3	30			
Term load (incl. free credits)																		
19 20 16 18 17 17 16 16 12 12 165#																		