

			<< Declaration of BEng major		<< Declaration of BBA major												Student's Pathway	
School:			School of Engineering and School of Business Management															
Program:			Dual Degree Program (BEng in Aerospace 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 Aerospace Engineering																		
Engineering Fundamental Courses																		
COMP	1023	New: COMP1023 OR COMP2011 OR COMP202H	3-5												Students should take COMP 1023, COMP 2011 or COMP 202H which will also be used to substitute ISOM 2010 and to waive ISOM 2020			
COMP	2011	Introduction to Python Programming	3	3														
COMP	202H	Programming with C++ Honors Object-Oriented Programming and Data Structures	4-5															
MATH	1013	New: [MATH 1013 OR MATH1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1023]	4-7												DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees			
MATH	1014	Calculus I	3															
MATH	1020	Calculus II	3	3	3													
MATH	1023	Accelerated Calculus	4															
MATH	1024	Honors Calculus I	3															
MATH	2011	Introduction to Multivariable Calculus	3			3								3				
		New: MATH2111 OR MATH2030 OR MATH2031	3															
MATH	2111	Matrix Algebra and Applications	3				3							3				
MATH	2350	Applied Linear Algebra and Differential Equations	3															
MATH	2351	Introduction to Differential Equations	3															
PHYS	1112	New: PHYS1112 OR PHYS1312	3											3				
PHYS	1312	General Physics I with Calculus	3		3													
		Honors General Physics I	3															
		Science 1000-level course (1 course of the specified course list)	3-4															
CHEM	1008	Introductory Chemistry	3		3									3				
CHEM	1012	General Chemistry II: Atomic Structure, Molecules, and Bonding Theories	3															
LIFS	1901	General Biology I	3															
PHYS	1101	Introductory Physics	4															
Required Credits for Engineering Fundamental Courses				19-20	6	9	3	3	3	0	0	0	0	0	21			
Major Required Courses and Electives																		
MECH	1901	Academic and Professional Development I	0	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	2007	Aerospace Engineering: Principles and Systems	3			3									3			
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	3400	Introduction to Composite Materials	3				3								3			
MECH	3610	Control Principles	3				3								3			
MECH	3620	Aircraft Design	3				3			3					3			
MECH	3640	Aerodynamics	3				3								3			
MECH	3650	Aircraft Structural Analysis	3				3				3				3			
MECH	3660	Gas Turbines and Jet Propulsion	3				3			3					3			
MECH	3670	Aircraft Performance and Stability	3				3			3					3			
MECH	3680	Aircraft Systems	3				3								3			
MECH	3900	Aerospace Engineering Laboratory	3				3				3				3			
MECH	4080	Final Year Aerospace Design Project	6								3	3	6		6			
ELEC	2420	Basic Electronics	3			3									3			
MECH		AE Electives (2 courses from the specified elective list)	6							3	3				6			
BEng in Aerospace Engineering Major Requirements				60	3	0	12	6	7	15	12	3	3	3	3	60		
BBA in Marketing																		
School Requirements																		
ACCT	2010	Principles of Accounting I	3	3											3			
ACCT	2030	Principles of Accounting II	3						3									
		New: ECON 2103 OR ECON 2113	3															
ECON	2103	Principles of Microeconomics	3		3										3			
ECON	2113	Microeconomics	3															
		New: ECON 2123 OR ECON 3123	3									3			3			
ECON	2123	Macroeconomics	3															
ECON	2123	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 202H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP 1023, COMP 2011 or COMP 202H 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 202H. These COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.																		
ISOM	2600	Business Statistics	3	3	-	-	-	-	-	-	-	-	-	-	3			
ISOM	2620	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								3			
MGMT	2130	Business Ethics and Social Responsibility	2									2			2			
		New: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4															
MATH	1003	Calculus and Linear Algebra	3		(3)										DDP students should take MATH 1013 or MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees			
MATH	1013	Calculus IB	3															
MATH	1020	Accelerated Calculus	4															
MATH	1023	Honors Calculus I	3															
Required Credits for School Requirements				19-40	6	3	3	6	0	3	3	3	2	3	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 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																		
TEMG	1011	T&M Professional Activities I	0	0	0										0			
TEMG	1012	T&M Professional Activities II	0			0	0								0			
TEMG	1013	T&M Professional Activities III	0				0	0							0			
TEMG	1014	T&M Professional Activities IV	0							0	0				0			
TEMG	1015	T&M Professional Activities V	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	4			
Required Credits for Additional Requirements				7	0	3	0	0	0	0	0	0	4	0	7			
University Common Core Requirement																		
CORE	C3 - C9	U-CORE - Others	21								6	6	3	6	21			
CORE	C1 & C2	U-CORE - English Language	6	3	3										6			
EMBAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2										3			
Sub-total for University CORE				30	4	6	0	0	0	0	6	6	3	6	39			
				Term total (not Pre-check)														
				19	20	18	15	19	10	16	16	16	16	16	174			
				174###														