

			<< 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 Aerospace Engineering and BBA in Management)																														
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits											Remarks																			
				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																		
BEng in Aerospace Engineering																																	
Engineering Fundamental Courses																																	
COMP	1023	Note: COMP1023 OR COMP2011 OR COMP2012H	3-5											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	2011	Introduction to Python Programming with C++	4		3																												
COMP	2012H	Honors: Object-Oriented Programming and Data Structures	5																														
MATH	1013	Note: MATH 1013 OR MATH1020 AND MATH 1014 OR MATH 1024J OR MATH 1020J	4-7											6	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		3	3																											
MATH	1020	Accelerated Calculus	4																														
MATH	1024	Honors: Calculus I	3																														
MATH	2011	Introduction to Multivariable Calculus	3			3									3																		
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351	3											3																			
MATH	2350	Matrix Algebra and Applications	3				3																										
MATH	2351	Applied Linear Algebra and Differential Equations	3																														
PHYS	1112	Note: PHYS1112 OR PHYS1312	3											3																			
PHYS	1312	General Physics I with Calculus	3		3																												
PHYS	1312	Honors: General Physics I	3																														
CHEM	1008	Science 1000-level course (1 course of the specified courses list)	3-4											3																			
CHEM	1012	Introductory Chemistry	3		3																												
LIFE	1001	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3																														
PHYS	1101	Introductory Physics	4																														
Required Credits for Engineering Fundamental Courses																																	
Major Required Courses and Electives																																	
MECH	1001	Academic and Professional Development I	0	0	0	0	0								0																		
MECH	1010	Foundations of Mechanical and Aerospace Engineering	3	3											3																		
MECH	1050	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	2040	Statics and Dynamics	3			3									3																		
MECH	2040	Solid Mechanics I	3				3								3																		
MECH	2210	Fluid Mechanics	3												3																		
MECH	2310	Thermodynamics	3			3									3																		
MECH	3040	Introduction to Composite Materials	3												3																		
MECH	3010	Control Principles	3					3							3																		
MECH	3020	Aircraft Design	3						3						3																		
MECH	3040	Aerodynamics	3					3							3																		
MECH	3050	Aircraft Structural Analysis	3					3							3																		
MECH	3060	Gas Turbines and Jet Propulsion	3						3						3																		
MECH	3070	Aircraft Performance and Stability	3						3						3																		
MECH	3080	Avionics Systems	3						3						3																		
MECH	3090	Aerospace Engineering Laboratory	3						3						3																		
MECH	4080	Final Year Aerospace Design Project	6							3					3	6																	
ELEC	2420	Basic Electronics	3				3								3																		
MECH		All Electives (2 courses from the specified elective list)	6							3	3				6																		
BEng in Aerospace Engineering Major Requirements																																	
BBA in Economics																																	
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									3																		
ECON	2113	Principles of Microeconomics	3																														
ECON	2123	Note: ECON 2123 OR ECON 3123	3										3		3																		
ECON	3123	Macroeconomics	3																														
ECON	3123	Macroeconomics: Theory I	3																														
FINA	2200	Financial Management	3				3								3																		
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	-	0																		
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	-	0																		
ISOM	2030	Business Statistics	3	3	-	-	-	-	-	-	-	-	-	-	3																		
ISOM	2040	Business Analytics	1					1																									
ISOM	2700	Operations Management	3												3	3																	
MARK	2120	Marketing Management	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																	
MATH	1013	Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												0	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 and Linear Algebra	3																														
MATH	1020	Calculus IB	3																														
MATH	1023	Accelerated Calculus	4																														
Required credits for School 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							4					4	Students in the Consulting Option must take MGMT 3120																	
MGMT	3120	Human Resources Management	4																														
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)	4												4	Students in the Consulting Option must take MGMT 3140																	
MGMT	3140	Judgement and Decision Making in Organizations	4							4																							
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								3				3	Students in the Consulting Option must take MGMT 4210 Students in the CSR Option must take MGMT 4210																	
MGMT	4220	Corporate Strategy	3																														
MGMT	4220	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																		
Required Credits for Major Required Courses and Electives																																	
Additional Requirement for Dual Degree																																	
Requirements for Dual Degree Program																																	
TEMG	1011	T&M Professional Activities I	0																														