

			<< 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 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	Subtotal	Remarks					
BEng in Aerospace Engineering																				
Engineering Fundamental Courses																				
COMP	1023	Note: COMP1023 OR COMP2011 OR COMP2012H Introduction to Python Programming Programming with C++ Honors Object-Oriented Programming and Data Structures	3-6		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	2011		4																	
COMP	2012H		6																	
MATH	1013	Note: [MATH 1013 OR MATH1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1023]	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	1023	Honors Calculus I	3																	
MATH	1024	Honors Calculus II	3																	
MATH	2011	Introduction to Multivariable Calculus	3			3								3						
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351 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	Note: PHYS1112 OR PHYS1312 General Physics I with Calculus	3		3									3						
PHYS	1312	Honors General Physics I	3																	
CHEM	1008	Science 1000-level course (1 course of the specified course list) Introductory Chemistry	3-4																	
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3		3									3						
LFS	1101	General Biology I	3																	
PHYS	1101	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	3					
MECH	1960	Industrial Training	0			0*	0*							0						
MECH	2002	Academic and Professional Development II	0					0	0	0	0	0		0						
MECH	2007	Aerospace Engineering: Principles and Systems	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						
MECH	3640	Aerodynamics	3					3						3						
MECH	3650	Aircraft Structural Analysis	3						3					3						
MECH	3660	Gas Turbines and Jet Propulsion	3						3					3						
MECH	3670	Aircraft Performance and Stability	3						3					3						
MECH	3680	Avionics Systems	3						3					3						
MECH	3690	Aerospace Engineering Laboratory	3						3					3						
MECH	4360	Final Year Aerospace Design Project	6										3	3	6					
ELEC	2420	Basic Electronics	3		3								3	3	6					
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	4	15	12	3	3	3	3	60					
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 Principles of Microeconomics Microeconomics	3			3								3						
ECON	2113		3																	
ECON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics Macroeconomics Theory I	3									3		3						
ECON	3123		3																	
FINA	2303	Financial Management	3		3									3	FINA 2303 is a major pre-requisite					
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H 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 and COMP 2012H. The COMP courses are similar or more advanced content than ISOM 2020.					
ISOM	2300	Business Statistics	3	3	3									-	3					
ISOM	2600	Introduction to Business Analytics	1									1			1					
ISOM	2700	Operational 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														
MGMT	2130	Business Ethics and Social Responsibility	2										2	2						
MATH	1003	Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	3-4																	
MATH	1013	Calculus II	3		(3)										0					
MATH	1020	Accelerated Calculus	4																	
MATH	1023	Honors Calculus I	3																	
Required Credits for School Requirements			38-40	6	3	3	3	6	0	0	2	4	6	3	32					
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 Financial Accounting I	3-6									3		3						
ACCT	3020	Financial Accounting II	3																	
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3																	
ISOM	3230	Note: ISOM 3230 OR ISOM 3400 Business Programming in VBA	3							3				3	if DDP students took COMP 1023 in BEng requirement, they are required to enroll ISOM 3230					
ISOM	3400	Business Applications Development in Python	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	0	0	0	0	4	6	6	3	3	3	25						
Additional Requirement 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	To graduates, students should complete ALL requirements as specified for DDP					
TEMG	1015	T&M Professional Activities V	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	0	3	0	0	0	0	0	0	0	4	0	7					
University Common Core Requirements																				
CORE	C1 - C9	U CORE - Others	21							6	6	3	6	21						
CORE	C1 & C2	U CORE - English Language	6	3	3									6						
CORE	1905	Behavioral Foundations of University Educators: Habits, Mindsets, and Wellness	3	1	2									3						
Sub-total for University CORE			30	4	5	0	0	0	0	6	6	3	6	30						
Term load (incl. free credits)																				
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