

<< Declaration of BEng major << Declaration 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 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	Sub-total	Remarks	
BEng in Aerospace Engineering																
Major Requirements																
Engineering Fundamental Courses																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5													
COMP	1022P	Introduction to Computer Science	3													
COMP	2011	Introduction to Computing with Java	3	3												
COMP	2012H	Programming with C++	4													
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5													
MATH	1012	Note: ((MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)) OR (MATH 1020)	4-7													
MATH	1012	Calculus IA	4													
MATH	1013	Calculus IB	3													
MATH	1014	Calculus II	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										
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351	3				3									
MATH	2350	Matrix Algebra and Applications	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											
PHYS	1312	Honors General Physics I	3													
CHEM	1008	Science 1000-level course (1 course of the specified course list)	3-4													
CHEM	1020	Introductory Chemistry	3													
LIFS	1901	General Chemistry I	3													
PHYS	1101	General Biology I	3													
PHYS	1101	Introductory Physics	4													
Required credits for Engineering Fundamental Courses			19-25											18		
Major Required Courses and Electives																
MECH	1907	Introduction to Aerospace Engineering	3			3										
MECH	1990	Industrial Training	0			0*	0*									
MECH	2020	Statics and Dynamics	3			3										
MECH	2040	Solid Mechanics I	3				3									
MECH	2210	Fluid Mechanics	3				3									
MECH	2310	Thermodynamics	3			3										
MECH	2410	Engineering Materials I	3						3							
MECH	3400	Introduction to Composite Materials	3							3						
MECH	3610	Control Principles	3					3								
MECH	3620	Aircraft Design	3								3					
MECH	3640	Aerodynamics	3							3						
MECH	3650	Aircraft Structural Analysis	3							3						
MECH	3660	Gas Turbines and Jet Propulsion	3								3					
MECH	3670	Aircraft Performance and Stability	3							3						
MECH	3680	Avionics Systems	3						3							
MECH	3690	Aerospace Engineering Laboratory	3								3					
MECH	4980	Final Year Aerospace Design Project	6									3	3			
ELEC	2420	Basic Electronics	3					3								
ENGG	2010	Engineering Seminar Series	0			0	0	0	0							
MECH		MECH Electives in Aerospace (2 courses from the specified elective list)	6									3	3			
Required credits for Major Requirements Courses and Electives			60											60		
BBA in Finance																
School Requirements																
ACCT	2010	Principles of Accounting I	3	3												
ACCT	2200	Principles of Accounting II	3						3							
ECON	2103	Note: ECON 2103 OR ECON 2113	3		3											
ECON	2113	Principles of Microeconomics	3													
ECON	3123	Microeconomics	3													
ECON	2123	Note: ECON 2123 OR ECON 3123	3								3					
ECON	3123	Macroeconomics	3													
ECON	3123	Macroeconomic Theory I	3													
FINA	2303	Financial Management	3			3										
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	-	0	
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	-	0	
ISOM	2500	Business Statistics	3	3												
ISOM	2600	Introduction to Business Analytics	1					1								
ISOM	2700	Operations Management	3										3			
MARK	2120	Marketing Management	3				3									
MGMT	2010	Business Ethics and the Individual	2							2						
MGMT	2110	Organizational Behavior	3				3									
MGMT	2130	Business Ethics and Social Responsibility	2									2				
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													
MATH	1020	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
Required credits for School Requirements			39-40											32		
Major Requirements																
Major Required Courses and Electives																
FINA	3001	Key Skills for Finance Professionals (A)	1					1								
FINA	3103	Intermediate Investments	3					3								
FINA	3203	Derivative Securities	3						3							
FINA	3303	Intermediate Corporate Finance	3							3						
FINA	3810	Bloomberg Market Concepts Certification	0					0								
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6													
ACCT	3020	Financial Accounting I	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	3							3						
ISOM	3400	Business Programming in VBA	3													
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		
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											
TEMG	4950	T&M Corporate Consulting Project	3-5					4								
Required credits for Additional Requirements			7													
University CORE																
CORE	C3 - C9	U CORE - Others	21			3	3	3	3			3	6		21	
CORE	C1 & C2	U CORE - English Language	6	3	3										6	
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2										3	
Sub-total for University CORE			30												30	
Term load (excl. free credits)																
16 17 18 18 18 20 15 14 18																
172##																

Notes:

- () indicates the reuse of the same course to fulfill more than one requirement.
- * Courses offered in winter term
- ^ Courses offered in summer term
- denotes the course/requirement is either waived or substituted
- ## To graduate, students should complete all requirements as specified for DDP.

**Remarks on course(s):