

<< Declaration of BEng major << Declaration of BBA major

School:		School of Engineering and School of Business Management			Student's Pathway												Remarks						
Program:		Dual Degree Program (BEng in Aerospace Engineering and BBA in General Business Management)																					
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									
<b>BEng in Aerospace Engineering</b>																							
<b>Major Requirements</b>																							
Engineering Fundamental Courses																							
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H Introduction to Computer Science	3-5																				
COMP	1022P	Introduction to Computing with Java	3	3																			
COMP	2011	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] Calculus IA	4-7																				
MATH	1013	Calculus IB	3	3																			
MATH	1014	Calculus II	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																
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																		
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																				
LIFS	1901	General Biology I	3		(3)																		
PHYS	1101	Introductory Physics	4																				
<b>Required credits for Engineering Fundamental Courses</b>			19-25											18									
<b>Major Required Courses and Electives</b>																							
MECH	1907	Introduction to Aerospace Engineering	3			3									3								
MECH	1990	Industrial Training	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	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	4980	Final Year Aerospace Design Project	6										3	3	6								
ELEC	2420	Basic Electronics	3					3							3								
ENGG	2010	Engineering Seminar Series	0			0	0	0	0						0								
MECH		MECH Electives in Aerospace (2 courses from the specified elective list)	6									3	3		6								
<b>Required credits for Major Requirements Courses and Electives</b>			60											60									
<b>BBA in General Business Management</b>																							
<b>School Requirements</b>																							
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	3		3										3								
ECON	2113	Microeconomics	3												3								
ECON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics	3								3				3								
ECON	3123	Macroeconomic Theory I	3												3								
FINA	2303	Financial Management	3			3									3								
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	-	0								
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	-	0								
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								
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	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	3-4																				
MATH	1012	Calculus IA	3																				
MATH	1013	Calculus IB	4																				
MATH	1020	Accelerated Calculus	3																				
MATH	1023	Honors Calculus I	4																				
<b>Required credits for School Requirements</b>			39-40											32									
<b>Major Requirements</b>																							
Major Required Courses and Electives																							
SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)	29					6	3	4	3	7	6		29								
<b>Required credits for Major Required Courses and Electives</b>			29											29									
<b>Additional Requirements</b>																							
<b>Requirements for Dual Degree Program</b>																							
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										3								
TEMG	4950	T&M Corporate Consulting Project	3-5					4							4								
<b>Required credits for Additional Requirements</b>			7											7									
<b>University CORE</b>																							
CORE	C3 - C9	U CORE - Others	21			3	3	3	6			3		3	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								
<b>Sub-total for University CORE</b>			30											30									
														Term load (excl. free credits)									
														16	17	18	18	20	18	18	18	15	18
														176##									

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):

>> The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalog/UG Curriculum Handbook for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department.