

<< 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)			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									
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits																					
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																					
LANG	2030	Technical Communication I	3	-	-	-	-	-	-	-	-	-	-	-	-	0								
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											6								
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																					
MATH	2350	Matrix Algebra and Applications	3																					
MATH	2351	Applied Linear Algebra and Differential Equations	3													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/LIFS/ PHYS		Science 1000-level course (Any 1 course of the subject and level as specified)	3													0								
Required credits for Engineering Fundamental Courses			22-26													18								
Major Required Courses and Electives																								
MECH	1907	Introduction to Aerospace Engineering	3													3								
MECH	1990	Industrial Training	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													6								
ELEC	2420	Basic Electronics	3													3								
ENGG	2010	Engineering Seminar Series	0													0								
LANG	4034	Technical Communication II for Mechanical and Aerospace Engineering	3													3								
MECH		MECH Electives in Aerospace (2 courses from the specified elective list)	6													6								
Required credits for Major Requirements Courses and Electives			63													63								
BBA in General Business Management																								
School Requirements																								
ACCT	2010	Principles of Accounting I	3	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													3								
ECON	2123	Note: ECON 2123 OR ECON 3123	3													3								
ECON	3123	Macroeconomics	3													3								
FINA	2303	Macroeconomic Theory I	3													3								
ISOM	2010	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												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								
LANG	2061	Note: LANG 2061 OR 2062 OR 3060	3													3								
LANG	2062	Professional Writing for the Workplace	3													3								
LANG	3060	Professional Speaking for the Workplace	3													3								
LANG	3060	Advanced Academic Writing	3													3								
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			45-46													35								
Major Requirements																								
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													29								
Required credits for Major Required Courses and Electives			29													29								
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	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													7								
University CORE																								
CORE	C3 - C9	U CORE - Others	21													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	20	18	18	21	18	18
															182##									

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.

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**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.