

<< 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 Marketing)																				
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								
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											3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020							
COMP	2011	Introduction to Computing with Java	4																			
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									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								3								
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351	3																			
MATH	2350	Matrix Algebra and Applications	3				3							3								
MATH	2351	Applied Linear Algebra and Differential Equations	3																			
PHYS	1112	Note: PHYS1112 OR PHYS1312	3																			
PHYS	1312	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)	3-4																			
CHEM	1012	Introductory Chemistry	3																			
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3																			
LIFS	1901	General Biology I	3		(3)									0								
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								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							
Required credits for Major Requirements Courses and Electives			60											60								
BBA in Marketing																						
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																			
ECON	2113	Principles of Microeconomics	3		3									3								
ECON	2113	Microeconomics	3																			
ECON	2123	Note: ECON 2123 OR ECON 3123	3																			
ECON	3123	Macroeconomics	3									3		3								
ECON	3123	Macroeconomic Theory I	3																			
FINA	2303	Financial Management	3			3								3								
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	Substituted by COMP 1021/1022P/2011/2012H							
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students if they have taken and passed COMP1021 or COMP 1029P							
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	MARK 2120 is a major pre-requisite							
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	3-4																			
MATH	1012	Calculus and Linear Algebra	3																			
MATH	1012	Calculus IA	4																			
MATH	1013	Calculus IB	3																			
MATH	1020	Accelerated Calculus	4																			
MATH	1023	Honors Calculus I	3		(3)									0	DDP students should take MATH 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees							
Required credits for School Requirements			39-40											32								
Major Requirements																						
Major Required Courses and Electives																						
MARK	3220	Marketing Research	4					4						4								
MARK	3420	Consumer Behavior	4						4					4								
MARK	4210	Strategic Marketing	4							4				4								
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)	12								4	4	4	12								
Required credits for Major Required Courses and Electives			24											24								
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								
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											7								
University CORE																						
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								
Sub-total for University CORE			30											30								
													Term load (excl. free credits)									
													16	17	18	18	18	19	18	16	15	16
													171##									

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.