

<< 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 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												
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												
MATH	2350	Matrix Algebra and Applications		3				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												
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												
LIFS	1901	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories		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		6
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	6
Required credits for Major Requirements Courses and Electives				60												60
BBA in Management																
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												3
ECON	2113	Principles of Microeconomics		3		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																
MGMT	3110	Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.)		4						4						
MGMT	3120	Human Resources Management		4												
MGMT	3120	Managerial Leadership		4												
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)		4												
MGMT	3140	Judgement and Decision Making in Organizations		4						4						
MGMT	3140	Negotiation		4												
MGMT	4210	Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.)		3-4												
MGMT	4220	Corporate Strategy		3												
MGMT	4220	Entrepreneurship and Innovation		4												
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)		9										3	3	3
Required credits for Major Required Courses and Electives				20-21												20
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												7
University CORE																
CORE	C3 - C9	U CORE - Others		21				3	3	6	6				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	21	19	17	15	11	15		
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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.