

<< 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												
<b>BEng in Aerospace Engineering</b>																
<b>Major Requirements</b>																
<b>Engineering Fundamental Courses</b>																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011		3-4												
COMP	1022P	Introduction to Computer Science		3	3											
COMP	2011	Introduction to Computing with Java Programming with C++		4												
ENGG	1010	Academic Orientation		0	0	0										
LANG	2030	Technical Communication I		3						3						
MATH	1012	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]		4-7												
MATH	1013	Calculus IA		4												
MATH	1014	Calculus IB		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		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		(3)										
<b>Required credits for Engineering Fundamental Courses</b>				22-26												21
<b>Major Required Courses and Electives</b>																
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					
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									3	3		6
<b>Required credits for Major Requirements Courses and Electives</b>				63												63
<b>BBA in Management</b>																
<b>School Requirements</b>																
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												
ECON	2113	Principles of Microeconomics		3		3										
ECON	2113	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					1							
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							
SBMT	1111	Business Student Induction		0												0
LABU	2040	Business Case Analyses		3					3							
LABU	2060	Effective Communication in Business		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	1020	Calculus IB		3												
MATH	1020	Accelerated Calculus		4												
MATH	1023	Honors Calculus I		3												
<b>Required credits for School Requirements</b>				45-46												39
<b>Major Requirements</b>																
<b>Major Required Courses and Electives</b>																
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					4							
MGMT	3140	Judgement and Decision Making in Organizations		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								3				
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		
<b>Required credits for Major Required Courses and Electives</b>				20-21												20
<b>Additional Requirements</b>																
<b>Requirements for Dual Degree Program</b>																
<b>Required Courses</b>																
TEMG	1010	Technology and Management Professional Activities		0	0	0	0	0	0	0	0	0	0	0	0	0
TEMG	3950	Case-based Problem Solving		3		3										
<b>Required credits for Additional Requirements</b>				3												3
<b>University CORE</b>																
CORE	C3 - C12	U CORE - Others		30	3		3		3	6			9	6		30
CORE	C1 & C2	U CORE - English Language		6		3										6
<b>Sub-total for University CORE</b>				36												36
Term load (excl. free credits)																
					18	18	18	20	19	18	18	18	15			
<b>182##</b>																

Notes:

( ) indicates the reuse of the same course to fulfill more than one requirement.

[ ] denotes the course is also offered in other terms as indicated and students may take the course in one of these subject to advice by the program office.

\* 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.