

<< 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 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												
ENGG	1010	Academic Orientation		0	0	0									0	
LANG	2030	Technical Communication I		3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
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												
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								3	
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351 Matrix Algebra and Applications		3												
MATH	2350	Applied Linear Algebra and Differential Equations		3				3							3	
MATH	2351	Introduction to Differential Equations		3												
PHYS	1112	Note: PHYS1112 OR PHYS1312 General Physics I with Calculus		3		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)									0	
Required credits for Engineering Fundamental Courses				22-26											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	
LANG	4034	Technical Communication II for Mechanical and Aerospace Engineering		3								3			3	
MECH		MECH Electives in Aerospace (2 courses from the specified elective list)		6									3	3	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					3	
ECON	2103	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics		3		3									3	
ECON	2113	Microeconomics		3												
ECON	2123	Note: ECON 2123 OR 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	
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	
SBMT	1111	Business Student Induction		0	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
LABU	2040	Business Case Analyses		3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
LABU	2060	Effective Communication in Business		3									3		3	
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												
MATH	1024	Honors Calculus II		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					3	3	7	7	3	6	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	
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 - C12	U CORE - Others		30	3	3	3		3	6			6	6	30	
CORE	C1 & C2	U CORE - English Language		6	3	3									6	
Sub-total for University CORE				36											36	
Term load (excl. free credits)																
					18	18	18	20	19	21	19	19	18	18		
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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.