

<< 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	3												3
COMP	2011	Introduction to Computing with Java	4													
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	1013	Calculus IA	4													
MATH	1014	Calculus IB	3	3	3											6
MATH	1020	Calculus II	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										3
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351	3				3									3
MATH	2350	Matrix Algebra and Applications	3													
MATH	2351	Applied Linear Algebra and Differential Equations	3													
MATH	2351	Introduction to Differential Equations	3													
PHYS	1112	Note: PHYS1112 OR PHYS1312	3		3											3
PHYS	1312	General Physics I with Calculus	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	3		3											3
ECON	2113	Principles of Microeconomics	3													
ECON	2123	Note: ECON 2123 OR ECON 3123	3			3										3
ECON	3123	Macroeconomics	3													
ECON	3123	Macroeconomic Theory I	3													
FINA	2303	Financial Management	3				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							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
LABU	2040	Business Case Analyses	3	-	-	-	-	-	-	-	-	-	-	-	-	0
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	3-4													
MATH	1012	Calculus and Linear Algebra	3													
MATH	1013	Calculus IA	4													
MATH	1013	Calculus IB	3	(3)												0
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						6	3	4	3	7	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	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	3	3	6		21
CORE	C1 & C2	U CORE - English Language	6	3	3											6
CORE	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	0	3											3
Sub-total for University CORE			30													30
Term load (excl. free credits)																
15 18 18 20 19 18 19 18 19 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.

**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.