

<< 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>																
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	3													
COMP	2012H	Programming with C++	4													
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5													
LANG	2030	Technical Communication I	3	-	-	-	-	-	-	-	-	-	-	-	-	0
Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]																
MATH	1012	Calculus IA	4													
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
Note: MATH2111 OR MATH2350 OR MATH2351																
MATH	2111	Matrix Algebra and Applications	3				3									3
MATH	2350	Applied Linear Algebra and Differential Equations	3													
MATH	2351	Introduction to Differential Equations	3													
Note: PHYS1112 OR PHYS1312																
PHYS	1112	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
<b>Required credits for Engineering Fundamental Courses</b>			22-26													18
<b>Major Required Courses and Electives</b>																
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	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
<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												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	2123	Note: ECON 2123 OR ECON 3123	3													
ECON	3123	Macroeconomics	3									3				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
Note: LANG 2061 OR 2062 OR 3060																
LANG	2061	Professional Writing for the Workplace	3													
LANG	2062	Professional Speaking for the Workplace	3													
LANG	3060	Advanced Academic Writing	3										3			3
Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023																
MATH	1003	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	3		(3)											0
<b>Required credits for School Requirements</b>			45-46													35
<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							4
MGMT	3120	Human Resources Management	4													
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)	4							4						4
MGMT	3140	Judgement and Decision Making in Organizations	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					3
MGMT	4220	Corporate Strategy	3													
MGMT		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		9
<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	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
<b>Required credits for Additional Requirements</b>			7													7
<b>University CORE</b>																
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
<b>Sub-total for University CORE</b>			30													30
Term load (excl. free credits)																
16 17 18 18 21 19 17 18 14 15																
173##																
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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.