

<< 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 Marketing)			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	
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												
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												
ENGG	1010	Academic Orientation	0	0	0										
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												
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												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
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
<b>Required credits for Major Requirements Courses and Electives</b>			63												63
<b>BBA in Marketing</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	2113	Microeconomics	3												
ECON	2123	Note: ECON 2123 OR ECON 3123	3												
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
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	-	0
ISOM	2500	Business Statistics	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
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												
<b>Required credits for School Requirements</b>			45-46												35
<b>Major Requirements</b>															
<b>Major Required Courses and Electives</b>															
MARK	3220	Marketing Research	4						4						4
MARK	3420	Consumer Behavior	4							4					4
MARK	4210	Strategic Marketing	4										4		4
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)	12								4	4	4		12
<b>Required credits for Major Required Courses and Electives</b>			24												24
<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
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 - C12	U CORE - Others	30	3	3	3			3	3	3	3	3	3	6
CORE	C1 & C2	U CORE - English Language	6	3	3										6
<b>Sub-total for University CORE</b>			36												36
Term load (excl. free credits)															
				18	18	18	20	20	19	19	19	16	16		
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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):