

<< Declaration of BEng major << Declaration of BBA major

School:		School of Engineering and School of Business Management			Student's Pathway												
Program:		Dual Degree Program (BEng in Aerospace Engineering and BBA in Economics)															
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits	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	Remarks		
BEng in Aerospace Engineering																	
Major Requirements																	
Engineering Fundamental Courses																	
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011	3-4														
COMP	1022P	Introduction to Computer Science	3	3										3	This course will also be used to substitute ISOM 2010		
COMP	2011	Introduction to Computing with Java Programming with C++	4														
ENGG	1010	Academic Orientation	0	0	0									0			
LANG	2030	Technical Communication I	3						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									6			
MATH	1020	Calculus II	3														
MATH	1023	Accelerated Calculus	4														
MATH	1024	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														
PHYS	1112	Note: PHYS1112 OR PHYS1312	3		3									3			
PHYS	1312	General Physics I with Calculus	3														
PHYS	1312	Honors General Physics I	3														
CHEMLIFS/ 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											21			
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 Economics																	
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 2103/2113/2123 is a major prerequisite		
ECON	2113	Principles of Microeconomics	3														
ECON	2123	Note: ECON 2123 OR ECON 3123	3			3								3			
ECON	3123	Macroeconomics	3														
FINA	2303	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		
ISOM	2020	Coding for Business	1					1						1			
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					3						3			
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												DDP students should take MATH 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees		
MATH	1012	Calculus and Linear Algebra	3														
MATH	1013	Calculus IA	4														
MATH	1013	Calculus IB	3														
MATH	1020	Accelerated Calculus	4														
MATH	1023	Honors Calculus I	3														
Required credits for School Requirements			45-46											39			
Major Requirements																	
Major Required Courses and Electives																	
ECON	3014	Managerial Microeconomics	4					4						4			
ECON	3024	Managerial Macroeconomics	4						4					4			
ECON	3334	Introduction to Econometrics	4							4				4			
ECON	4670	Economics Research and Communication	0									0		0			
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)	11								4	4	3	11			
Required credits for Major Required Courses and Electives			23											23			
Additional Requirements																	
Requirements for Dual Degree Program																	
Required Courses																	
TEMG	1010	Technology and Management Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0			
TEMG	3950	Case-based Problem Solving	3		3									3			
Required credits for Additional Requirements			3											3			
University CORE																	
CORE	C3 - C12	U CORE - Others	30	3		3			6		3	9	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 20 19 19 19 19 15																	
185##																	

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.

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**Remarks on course(s):