

<< 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 Global Business)															
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	Introduction to Computer Science	3												3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020	
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														
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														
MATH	1013		Calculus IB	3													
MATH	1014		Calculus II	3	3	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											
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351 Matrix Algebra and Applications	3				3										
MATH	2350		Applied Linear Algebra and Differential Equations	3													
MATH	2351		Introduction to Differential Equations	3													
PHYS	1112	Note: PHYS1112 OR PHYS1312 General Physics I with Calculus	3	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												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		
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 Global Business																	
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		
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	(3)											0	
MATH	1023		Honors Calculus I	4													
Required credits for School Requirements			45-46												35		
Major Requirements																	
Major Required Courses and Electives																	
GBUS	1000	Global Leadership Development	0					0	0	0	0	0	0	0	0		
GBUS	2010	Global Business Analysis	3						3						3		
GBUS	2020	Public Service Project	1						1	[1]					1		
GBUS/ISOM	3030	Note: GBUS 3030 OR ISOM2040 Global Business Case Studies	3-4														
ISOM	2040		Business Simulation and Strategic Decisions	4							4	[3]				4	
GBUS	4910	Capstone Project	4									4	[4]		4		
GBUS		Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each area and at least 2 courses must be offered by GBUS. Courses taken to fulfill requirements of an additional major in SBM may not be counted towards this elective requirement.)	15									6	3	6	15		
Required credits for Major Required Courses and Electives			26-27												27		
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		
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		6	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	19	19	18	16	18				
180##																	

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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):