

			<< 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																		
Engineering Fundamental Courses																		
COMP	1023	Note: COMP1023 OR COMP2011 OR COMP2012H	3-5															
COMP	2011	Introduction to Python Programming	3	3										3	Students should take COMP 1023, COMP 2011 or COMP 2012H which will also be used to substitute ISOM 2010 and to waive ISOM 2020			
COMP	2012H	Waters Object-Oriented Programming and Data Structures	4															
			5															
MATH	1013	Note: [MATH 1013 OR MATH1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1020]	4-7															
MATH	1014	Calculus I	3	3	3									6	DOP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees			
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		Note: MATH2111 OR MATH2350 OR MATH2351	3															
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															
PHYS		Note: PHYS1112 OR PHYS1312	3															
PHYS	1112	General Physics I with Calculus	3		3									3				
PHYS	1312	Honors General Physics I	3															
CHEM		Science 1000-level course (1 course of the specified course list)	3-4															
CHEM	1008	Introductory Chemistry	3		3									3				
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3															
PHYS	1001	General Biology I	3															
PHYS	1101	Introductory Physics	4															
Required Credits for Engineering Fundamental Courses			19-25	6	9	3	3	0	0	0	0	0	0	21				
Major Required Courses and Electives																		
MECH	1001	Academic and Professional Development I	0	0	0	0	0							0				
MECH	1010	Foundations of Mechanical and Aerospace Engineering	3	3										3				
MECH	1000	Industrial Training	0			0*	0*							0				
MECH	2002	Academic and Professional Development II	0					0	0	0	0	0	0	0				
MECH	2007	Aerospace Engineering: Principles and Systems	3		3									3				
MECH	2020	Statics and Dynamics	3		3	3								3				
MECH	2040	Solid Mechanics I	3			3								3				
MECH	2210	Fluid Mechanics	3			3	3							3				
MECH	2310	Thermodynamics	3		3									3				
MECH	3400	Introduction to Composite Materials	3				3							3				
MECH	3610	Control Principles	3				3							3				
MECH	3600	Aircraft Design	3				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						3				
MECH	3670	Aircraft Performance and Stability	3				3	3						3				
MECH	3680	Avionics Systems	3				3	3	3					3				
MECH	3800	Aerospace Engineering Laboratory	3				3							3				
MECH	4900	Final Year Aerospace Design Project	6									3	3	6				
ELEC	2420	Basic Electronics	3		3									3				
MECH		A/E Electives (4 courses from the specified elective list)	6							3	3			6				
BEng in Aerospace Engineering Major Requirements			60	3	0	12	6	15	12	3	3	3	3	60				
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	3		3													
ECON	2113	Principles of Microeconomics	3											3				
ECON	2123	Note: ECON 2123 OR ECON 2123	3								3			3				
ECON	2123	Macroeconomics	3											3				
FINA	2303	Financial Management	3		3									3				
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP 1023, COMP 2011 or COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP 1023, COMP 2011 or COMP 2012H instead of ISOM 2010.			
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	ISOM 2020 is waived for DOP students who have taken and passed COMP 1023, COMP 2011 or COMP 2012H. These COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.			
ISOM	2500	Business Statistics	3	3	-	-	-	-	-	-	-	-	-	3				
ISOM	2600	Introduction to Business Analytics	1					1						1				
ISOM	2700	Operations Management	3									3		3				
MARK	2100	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				
MATH	1003	Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4															
MATH	1013	Calculus and Linear Algebra	3															
MATH	1020	Accelerated Calculus	4											0	DOP students should take MATH 1013 and MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees			
MATH	1023	Honors Calculus I	3															
Required credits for School Requirements			30-40	6	3	3	6	1	3	2	3	2	3	32				
Major Required Courses and Electives																		
GBUS	1000	Global Leadership Development	0					0	0	0	0	0	0	0				
GBUS	2010	Global Business Analysis	3					3						3				
GBUS/BSMT		Note: GBUS 2040 OR BSMT 2100-2110	1-4					1	[1]					1				
GBUS	2040	Environmental, Social, and Governance (ESG) Corporate Project	1															
BSMT	2100-2110	Community Services Project	4											4				
GBUS-ISOM		Note: GBUS 3030 OR ISOM 4780	3-4							3	[3]			3				
ISOM	3030	Global Business Case Studies	3															
ISOM	4780	Integrated Planning and Execution	3															
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 BSMT may not be counted towards this elective requirement.)	15							6	3	6		15				
Required Credits for Major Required Courses and Electives			26-30	0	0	0	0	0	4	3	6	7	6	26				
Additional Requirement for Dual Degree																		
Requirements for Dual Degree Program																		
TEMG	1011	TSM Professional Activities I	0	0	0	0								0				
TEMG	1012	TSM Professional Activities II	0			0	0							0				
TEMG	1013	TSM Professional Activities III	0					0	0					0				
TEMG	1014	TSM Professional Activities IV	0						0	0				0				
TEMG	1015	TSM Professional Activities V	0								0	0	0	0				
TEMG	3950	TSM Case Analysis and Product Innovation	3		3									3				
TEMG	4950	TSM Corporate Consulting Project	3-5								4			4				
Required Credits for Additional Requirements			7	0	3	0	0	0	0	4	0	0	0	7				
University Common Core Requirement																		
CORE	C1 - C9	U CORE - Others	21				3				6	6	3	3	21			
CORE	C1 & C2	U CORE - English Language	6	3	3										6			
MAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2										3			
Sub-total for University CORE			30	4	5	0	3	0	0	0	6	6	0	3	30			
Term load (incl. free credits)																		
19 20 18 18 16 19 18 18 15 15 178																		
176##																		

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 DD.

*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 date information on course offering and scheduling; students should check it out from respective School and Department.