

			← 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 Finance)														
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	Summer	Remarks	
BEng in Aerospace Engineering																
Engineering Fundamental Courses																
COMP 2011	1023	Note: COMP1023 OR COMP2011 OR COMP2012H Introduction to Python Programming Programming with C++ Honors Object-Oriented Programming and Data Structures	3-6	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	
MATH 1023	1013	Note: [MATH 1013 OR MATH1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1020] Calculus I	4-7													
MATH 1024	1014	Calculus II	3	3	3									6	DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees	
MATH 1023	1023	Honors Calculus I	3													
MATH 1024	1024	Honors Calculus II	3													
MATH 2011	2011	Introduction to Multivariable Calculus	3		3									3		
MATH 2111	2111	Note: MATH2111 OR MATH2350 OR MATH2351	3													
MATH 2350	2350	Matrix Algebra and Applications	3			3								3		
MATH 2351	2351	Applied Linear Algebra and Differential Equations	3													
PHYS 1112	1112	Introduction to Differential Equations	3													
PHYS 1312	1312	PHYS1112 OR PHYS1312	3		3									3		
CHEM 1008	1008	Science 1000-level course (1 course of the specified course list)	3-4													
CHEM 1012	1012	Introductory Chemistry	3			3								0		
LIFS 1901	1901	General Chemistry II: Atomic Structure, Molecules, and Bonding Theories	3													
PHYS 1101	1101	General Biology I	3													
Required Credits for Engineering Fundamental Courses			19-25	6	6	3	3	0	0	0	0	0	0	0	18	
Major Required Courses and Electives																
MECH 1001	1001	Academic and Professional Development I	0	0	0	0	0	0						0		
MECH 1810	1810	Foundations of Mechanical and Aerospace Engineering	3	3										3		
MECH 1990	1990	Industrial Training	0			0*	0*							0		
MECH 2002	2002	Academic and Professional Development II	0					0	0	0	0	0	0	0		
MECH 2007	2007	Aerospace Engineering: Principles and Systems	3		3									3		
MECH 2020	2020	Statics and Dynamics	3											3		
MECH 2040	2040	Solid Mechanics I	3			3								3		
MECH 2210	2210	Fluid Mechanics	3			3								3		
MECH 2215	2215	Thermodynamics	3											3		
MECH 3400	3400	Introduction to Composite Materials	3			3								3		
MECH 3610	3610	Control Principles	3				3							3		
MECH 3620	3620	Aircraft Design	3					3						3		
MECH 3640	3640	Aerodynamics	3					3						3		
MECH 3650	3650	Aircraft Structural Analysis	3											3		
MECH 3660	3660	Gas Turbines and Jet Propulsion	3				3							3		
MECH 3670	3670	Aircraft Performance and Stability	3				3							3		
MECH 3680	3680	Astronautics Systems	3					3						3		
MECH 3690	3690	Aerospace Engineering Laboratory	3					3						3		
MECH 4080	4080	Final Year Aerospace Design Project	6								3	3	3	6		
ELEC 2420	2420	Basic Electronics	3		3									3		
MECH		All Electives (2 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 Finance																
School Requirements																
ACCT 2010	2010	Principles of Accounting I	3	3									3	3		
ACCT 2200	2200	Principles of Accounting II	3									3		3		
ECON 2103	2103	Note: ECON 2103 OR ECON 2113	3			3								3		
ECON 2113	2113	Principles of Microeconomics	3													
ECON 2123	2123	Note: ECON 2123 OR ECON 3123	3								3			3		
ECON 3123	3123	Macroeconomics	3													
FINA 2303	2303	Macroeconomic Theory I	3													
FINA 2303	2303	Financial Management	3	3										3	FINA 2303 is a major pre-requisite	
ISOM 2010	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP 1023, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010.	
ISOM 2020	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 and COMP 2012H. The COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.	
ISOM 2003	2003	Business Statistics	3	3										3		
ISOM 2600	2600	Introduction to Business Analytics	3							1				1		
ISOM 2700	2700	Operations Management	3										3	3		
MARK 2120	2120	Marketing Management	3			3								3		
MGMT 2010	2010	Business Ethics and the Individual	2						2					3		
MGMT 2110	2110	Organizational Behavior	3		3									3		
MGMT 2130	2130	Business Ethics and Social Responsibility	3								2			2		
MATH 1003	1003	Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4													
MATH 1013	1013	Calculus and Linear Algebra	3			3								0	DDP students should take MATH 1013 and MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees	
MATH 1020	1020	Calculus II	4													
MATH 1023	1023	Honors Calculus I	3													
Required credits for School Requirements			30-40	6	3	3	3	6	0	0	2	4	5	3	32	
Major Required Courses and Electives																
FINA 3001	3001	Key Skills for Finance Professionals (A)	1					1						1		
FINA 3103	3103	Intermediate Investments	3				3							3		
FINA 3203	3203	Derivative Securities	3					3						3		
FINA 3303	3303	Intermediate Corporate Finance	3						3					3		
FINA 3810	3810	Bloomberg Market Concepts Certification	0				0							0		
ACCT 3010	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6													
ACCT 3020	3020	Financial Accounting I	3						3					3		
ACCT 3030	3030	Intermediate Financial Accounting for Non-Accounting Majors	3													
ISOM 3230	3230	Note: ISOM 3230 OR ISOM 3400	3													
ISOM 3400	3400	Business Programming in VBA	3					3						3	If DDP students took COMP 1023 in BEng requirement, they are required to enroll ISOM 3230	
FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)			9							3	3	3	3	9		
Required credits for Major Required Courses and Electives			25-28	0	0	0	0	0	4	6	6	3	3	3	25	
Additional Requirement for Dual Degree																
Requirements for Dual Degree Program																
TEMG 1011	1011	T&M Professional Activities I	0	0	0									0		
TEMG 1012	1012	T&M Professional Activities II	0			0	0							0		
TEMG 1013	1013	T&M Professional Activities III	0					0	0					0		
TEMG 1014	1014	T&M Professional Activities IV	0							0	0			0		
TEMG 1015	1015	T&M Professional Activities V	0									0	0	0	To graduate, students should complete ALL requirements as specified for DDP.	
TEMG 3850	3850	T&M Case Analysis and Product Innovation	3		3									3		
TEMG 4050	4050	T&M Corporate Consulting Project	3-5									4		4		
Required Credits for Additional Requirements			7	0	3	0	0	0	0	0	0	4	0	7		
University Common Core Requirements																
CORE C1 - C9		U CORE - Others	21							6	6	3	6	21		
CORE C1 & C2		U CORE - English Language	6	3	3									6		
HMAW 1905	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2									3		
Sub-total for University CORE			30	4	5	0	0	0	0	6	6	3	6	30		
Term load (incl. free credits)																
19 17 18 15 19 18 17 17 16 18 15																
172#																
172																

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.