

An Example on Student's Pathway (as of Sep 30, 2022)

<< 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 Finance)				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						
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits																				
BEng in Aerospace Engineering																							
Major Requirements																							
Engineering Fundamental Courses																							
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 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																				
ENGG	1010	Academic Orientation	0	0	0											0							
LANG	2030	Technical Communication I	3							3						3							
		Note: (MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020)	4-7																				
MATH	1012	Calculus IA	4														6						
MATH	1013	Calculus IB	3	3	3																		
MATH	1014	Calculus II	3																				
MATH	1020	Accelerated Calculus	4																				
MATH	1023	Honors Calculus I	3																				
MATH	2011	Introduction to Multivariable Calculus	3			3										3							
		Note: MATH2111 OR MATH2350 OR MATH2351																					
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																				
		Note: PHYS1112 OR PHYS1312																					
PHYS	1112	General Physics I with Calculus	3		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		(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						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 Finance																							
School Requirements																							
ACCT	2010	Principles of Accounting I	3	3												3							
ACCT	2200	Principles of Accounting II	3		3											3							
		Note: ECON 2103 OR ECON 2113																					
ECON	2103	Principles of Microeconomics	3		3											3							
ECON	2113	Microeconomics	3																				
		Note: ECON 2123 OR ECON 3123																					
ECON	2123	Macroeconomics	3			3										3							
ECON	3123	Macroeconomic Theory I	3																				
FINA	2303	Financial Management	3				3									3	FINA 2303 is a major pre-requisite						
ISOM	2010	Introduction to Information Systems	3	--	--	--	--	--	--	--	--	--	--	--	--	0	Substituted by COMP 1021/1022P/2011						
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							
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							
		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4																				
MATH	1003	Calculus and Linear Algebra	3														0						
MATH	1012	Calculus IA	4	(3)																			
MATH	1013	Calculus IB	3																				
MATH	1020	Accelerated Calculus	4																				
Required credits for School Requirements			45-46													38	To satisfy the requirements of both BEng and BBA degrees, DDP students should NOT take MATH 1003.						
Major Requirements																							
Major Required Courses and Electives																							
FINA	3001	Key Skills for Finance Professionals (A)	1						1							1							
FINA	3103	Intermediate Investments	3						3							3							
FINA	3203	Derivative Securities	3							3						3							
FINA	3303	Intermediate Corporate Finance	3							3						3							
FINA	3810	Bloomberg Market Concepts Certification	0						0							0							
		Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6																				
ACCT	3010	Financial Accounting I	3								3					3							
ACCT	3020	Financial Accounting II	3																				
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3																				
		Note: ISOM 3230 OR ISOM 3400	3																				
ISOM	3230	Business Applications Programming	3								3					3	If DDP students took COMP 1021 in BEng requirement, they are required to enroll ISOM 3230.						
ISOM	3400	Python Programming for Business Analytics	3																				
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9									3	3	3		9							
Required credits for Major Required Courses and Electives			25-28													25							
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	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		6					3	3	6	9		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	21	20	19	18	18	18	18
															186##								
															<< Declaration of BEng major		<< Declaration of BBA major						

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.