

<< 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												
<b>BEng in Aerospace Engineering</b>																
<b>Major Requirements</b>																
Engineering Fundamental Courses																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H		3-5												
COMP	1022P	Introduction to Computer Science		3	3											
COMP	2011	Introduction to Computing with Java		3												
COMP	2012H	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)		4-7												
MATH	1012	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		3												
MATH	2350	Matrix Algebra and Applications		3				3								
MATH	2351	Applied Linear Algebra and Differential Equations		3												
MATH	2351	Introduction to Differential Equations		3												
PHYS	1112	Note: PHYS1112 OR PHYS1312		3												
PHYS	1312	General Physics I with Calculus		3			3									
PHYS	1312	Honors General Physics I		3												
CHEM/PHYS/PHYS		Science 1000-level course (Any 1 course of the subject and level as specified)		3			(3)									
<b>Required credits for Engineering Fundamental Courses</b>				22-26											18	
<b>Major Required Courses and Electives</b>																
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
<b>Required credits for Major Requirements Courses and Electives</b>				63											63	
<b>BBA in Finance</b>																
<b>School Requirements</b>																
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	2113	Principles of Microeconomics		3												
ECON	2123	Note: ECON 2123 OR ECON 3123		3								3				3
ECON	3123	Macroeconomics		3												
ECON	3123	Macroeconomic Theory I		3												
FINA	2303	Financial Management		3				3								3
ISOM	2010	Introduction to Information Systems		3	---	---	---	---	---	---	---	---	---	---	0	FINA 2303 is a major pre-requisite 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		3-4												
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												
<b>Required credits for School Requirements</b>				45-46											35	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
<b>Major Requirements</b>																
<b>Major Required Courses and Electives</b>																
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
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030		3-6												
ACCT	3020	Financial Accounting I		3							3					3
ACCT	3030	Financial Accounting II		3												
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors		3												
ISOM	3230	Note: ISOM 3230 OR ISOM 3400		3								3				3
ISOM	3400	Business Applications Programming		3												
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
<b>Required credits for Major Required Courses and Electives</b>				25-28											25	
<b>Additional Requirements</b>																
<b>Requirements for Dual Degree Program</b>																
<b>Required Courses</b>																
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
<b>Required credits for Additional Requirements</b>				7											7	
<b>University CORE</b>																
CORE	C3 - C9	U CORE - Others		21			3	3		3			6	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	1	2										3
<b>Sub-total for University CORE</b>				30												30
															Term load (excl. free credits)	
															16	17
															178##	

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):

>> 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.