

<< 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	Sub-total	Remarks	
<b>BEng in Aerospace Engineering</b>																
<b>Major Requirements</b>																
<b>Engineering Fundamental Courses</b>																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5													
COMP	1022P	Introduction to Computer Science	3													
COMP	2011	Introduction to Computing with Java	3	3										3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020	
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	1013	Calculus IA	4													
MATH	1014	Calculus IB	3	3	3									6		
MATH	1014	Calculus II	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							3		
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351	3													
MATH	2350	Matrix Algebra and Applications	3						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									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		
<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	
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	
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	Substituted by COMP 1021/1022P/2011/2012H	
ISOM	2500	Business Statistics	3	3											Waived for DDP students if they have taken and passed COMP1021 or COMP 1029P	
ISOM	2600	Introduction to Business Analytics	1					1								
ISOM	2700	Operations Management	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	
LANG	2061	Note: LANG 2061 OR 2062 OR 3060	3									3			Non DDP-ECON students take ONLY a 3-credit of SBM-specific English course, in which they can choose from one of the three LANG courses (LANG 2061, LANG 2062, or LANG 3060).	
LANG	2062	Professional Writing for the Workplace	3													
LANG	3060	Professional Speaking for the Workplace	3													
LANG	3060	Advanced Academic Writing	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		
<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													
ISOM	3400	Business Programming in VBA	3						3						3	
ISOM	3400	Business Applications Development in Python	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	3			3	6		21	
CORE	C1 & C2	U CORE - English Language	6	3	3										6	
HMAW	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 18 18 18 18 20 18 17 18																
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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):

>> 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.