

<< 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 Introduction to Computer Science	3-5													
COMP	1022P	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	2011	Programming with C++	4													
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5													
ENGG	1010	Academic Orientation	0	0	0										0	
LANG	2030	Technical Communication I	3													Waived for DDP students
		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										6	
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	
		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													
		Note: PHYS1112 OR PHYS1312	3													
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	
<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 Principles of Microeconomics	3		3										3	
ECON	2113	Microeconomics	3													
ECON	2123	Note: ECON 2123 OR ECON 3123 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/2011/2012H
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	
SBMT	1111	Business Student Induction	0												0	Waived for DDP students
LABU	2040	Business Case Analyses	3												0	Waived for DDP students
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													
MATH	1012	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	To satisfy the requirements of both BEng and BBA degrees, DDP students should NOT take MATH 1003.
<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	
		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
<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	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 - C12	U CORE - Others	30	3	3	3	3	3	3	3	3	6	9		30	
CORE	C1 & C2	U CORE - English Language	6	3	3										6	
<b>Sub-total for University CORE</b>			36												36	
															Term load (excl. free credits)	
															18	18
															18	20
															20	18
															18	18
															18	18
															184##	

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.