

<< 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 Economics)			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	
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 OR COMP2012H	3-5												
COMP	1022P	Introduction to Computer Science	3												
COMP	2011	Introduction to Computing with Java	3	3											
COMP	2012H	Programming with C++	4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
LANG	2030	Technical Communication I	3												0
Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]															
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															
MATH	2111	Matrix Algebra and Applications	3												
MATH	2350	Applied Linear Algebra and Differential Equations	3				3								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												18
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
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 Economics															
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												3
Note: ECON 2123 OR ECON 3123															
ECON	2123	Macroeconomics	3								3				3
ECON	3123	Macroeconomic Theory I	3												3
FINA	2303	Financial Management	3			3									3
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
ECON	3700	Writing as an Economist	3									3			3
LANG	2062	Professional Speaking for the Workplace	3												0
Waived for DDP students															
Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023															
MATH	1003	Calculus and Linear Algebra	3-4												
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
			(3)												0
Required credits for School Requirements			45-46												35
Major Requirements															
Major Required Courses and Electives															
ECON	3014	Managerial Microeconomics	4					4							4
ECON	3024	Managerial Macroeconomics	4						4						4
ECON	3334	Introduction to Econometrics	4							4					4
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)	11								4	4	3		11
Required credits for Major Required Courses and Electives			23												23
Additional Requirements															
Requirements for Dual Degree Program															
Required Courses															
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
Required credits for Additional Requirements			7												7
University CORE															
CORE	C3 - C9	U CORE - Others	21			3	3	3	6			3	3		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
Sub-total for University CORE			30												30
Term load (excl. free credits)															
16 17 18 18 18 19 18 19 18 15															
176##															

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):