

An Example on Student's Pathway (as of July 11, 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 Management)		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											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) Calculus IA	4-7														
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			
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351 Matrix Algebra and Applications	3				3							3			
MATH	2350	Applied Linear Algebra and Differential Equations	3														
MATH	2351	Introduction to Differential Equations	3														
PHYS	1112	Note: PHYS1112 OR PHYS1312 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 Management</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			
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 2110 is a major pre-requisite		
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			
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 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														
<b>Required credits for School Requirements</b>			45-46											35			
<b>Major Requirements</b>																	
<b>Major Required Courses and Electives</b>																	
MGMT	3110	Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.) Human Resources Management	4					4						4	Students in the Consulting Option must take MGMT 3120		
MGMT	3120	Managerial Leadership	4														
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.) Judgement and Decision Making in Organizations	4						4					4	Students in the Consulting Option must take MGMT 3140		
MGMT	3140	Negotiation	4														
MGMT	4210	Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.) Corporate Strategy	3-4							3				3	Students in the Consulting Option must take MGMT 4210 Students in the CSR Option must take MGMT 4210		
MGMT	4220	Entrepreneurship and Innovation	4														
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)	9							3	3	3		9	Students in the Consulting Option are recommended to take MGMT 4220 and a new course in Simulating Strategy to fulfill the major elective requirement		
<b>Required credits for Major Required Courses and Electives</b>			20-21											20			
<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			
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	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)																	
				15	18	18	20	20	19	18	18	18	15				
179##																	
				<< 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):																	

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.