

<< 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 Mechanical 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														
BEng in Mechanical Engineering																	
Major Requirements																	
Engineering Fundamental Courses																	
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011	3-4														
COMP	1022P	Introduction to Computer Science	3	3													
COMP	2011	Introduction to Computing with Java	3														
COMP	2011	Programming with C++	4														
ENGG	1010	Academic Orientation	0	0	0												
LANG	2030	Technical Communication I	3				3										
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												
MATH	1020	Accelerated Calculus	4														
MATH	1023	Honors Calculus I	4														
MATH	1024	Honors Calculus II	3														
MATH	2011	Introduction to Multivariable Calculus	3					3									
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351	3								3						
MATH	2350	Matrix Algebra and Applications	3														
MATH	2351	Applied Linear Algebra and 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/LIFS/ PHYS		Science 1000-level course (Any 1 course of the subject and level as specified)	3		(3)												
Required credits for Engineering Fundamental Courses			22-26													21	
Major Required Courses and Electives																	
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	2520	Design and Manufacturing I	3				3										3
MECH	3030	Mechanisms of Machinery	3									3					3
MECH	3300	Note: MECH3300 OR MECH3420 OR MECH3520 OR MECH3710	3														3
MECH	3420	Energy Conversion	3														3
MECH	3520	Engineering Materials II	3								3						3
MECH	3710	Design and Manufacturing II	3														3
MECH	3710	Manufacturing Processes and Systems	3														3
MECH	3310	Heat Transfer	3									3					3
MECH	3610	Control Principles	3						3								3
MECH	3630	Electrical Technology	3							3							3
MECH	3830	Laboratory	3									3					3
MECH	3907	Mechatronic Design and Prototyping	3							3							3
MECH	4900	Final Year 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
Required credits for Major Requirements Courses and Electives			51														51
BBA in Management																	
School Requirements																	
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														3
ECON	2113	Microeconomics	3														3
ECON	2123	Note: ECON 2123 OR ECON 3123	3						3								3
ECON	3123	Macroeconomics	3														3
ECON	3123	Macroeconomic Theory I	3														3
FINA	2303	Financial Management	3				3										3
ISOM	2010	Introduction to Information Systems	3	---	---	---	---	---	---	---	---	---	---	---	---	---	0
ISOM	2020	Coding for Business	1														1
ISOM	2500	Business Statistics	3				3										3
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
SBMT	1111	Business Student Induction	0	---	---	---	---	---	---	---	---	---	---	---	---	---	0
LABU	2040	Business Case Analyses	3							3							3
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														0
MATH	1012	Calculus and Linear Algebra	3														3
MATH	1013	Calculus IA	4														4
MATH	1013	Calculus IB	3														3
MATH	1020	Accelerated Calculus	4														4
MATH	1023	Honors Calculus I	3														3
Required credits for School Requirements			43-44														39
Major Requirements																	
Major Required Courses and Electives																	
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.)	4							4							4
MGMT	3120	Human Resources Management	4														4
MGMT	3120	Managerial Leadership	4														4
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)	4														4
MGMT	3140	Judgement and Decision Making in Organizations	4						4								4
MGMT	3140	Negotiation	4														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.)	3-4														3
MGMT	4220	Corporate Strategy	3														3
MGMT	4220	Entrepreneurship and Innovation	4														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
Required credits for Major Required Courses and Electives			20-21														20
Additional Requirements																	
Requirements for Dual Degree Program																	
Required Courses																	
TEMG	1010	Technology and Management Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TEMG	3950	Case-based Problem Solving	3														3
Required credits for Additional Requirements			3														3
University CORE																	
CORE	C3 - C12	U CORE - Others	30	9	6							3			6	6	30
CORE	C1 & C2	U CORE - English Language	6	3	3												6
Sub-total for University CORE			36														36
				Term load (excl. free credits)													
				18	18	18	18	18	18	19	18	15	14	14			
				170##													

Notes:

- () indicates the reuse of the same course to fulfill more than one requirement.
- [] denotes the course is also offered in other terms as indicated and students may take the course in one of these subject to advice by the program office.
- * 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.