

<< 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 Marketing)			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 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										3
COMP	2011	Introduction to Computing with Java Programming with C++		4											
ENGG	1010	Academic Orientation		0	0	0									0
LANG	2030	Technical Communication I		3			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	1012	Calculus IA		4											
MATH	1013	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						3					
MATH	2350	Matrix Algebra and Applications		3											
MATH	2351	Applied Linear Algebra and Differential Equations		3											
MATH	2351	Introduction to Differential Equations		3											
PHYS	1112	Note: PHYS1112 OR PHYS1312		3		3									
PHYS	1312	General Physics I with Calculus		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											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											
MECH	3420	Energy Conversion		3						3					3
MECH	3520	Engineering Materials II		3											
MECH	3710	Design and Manufacturing II		3											
MECH	3710	Manufacturing Processes and Systems		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 Marketing															
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											
ECON	2113	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
ISOM	2020	Coding for Business		1					1						1
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
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											
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											
Required credits for School Requirements				43-44											39
Major Requirements															
Major Required Courses and Electives															
MARK	3220	Marketing Research		4					4						4
MARK	3420	Consumer Behavior		4						4					4
MARK	4210	Strategic Marketing		4									4		4
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)		12							4	4	4		12
Required credits for Major Required Courses and Electives				24											24
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
TEMG	3950	Case-based Problem Solving		3			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	19	19	16	15	15	
174##															

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.

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**Remarks on course(s):