

<< Declaration of major

School:		School of Engineering and School of Business Management		Student's Pathway											
Program:		Dual Degree Program (BEng in Mechanical Engineering and BBA in General Business Management)													
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits	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	
<b>BEng in Mechanical Engineering</b>															
<b>Major Requirements</b>															
<b>Engineering Fundamental Courses</b>															
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP1022Q OR COMP2011	3-4												
COMP	1022P	Introduction to Computer Science	3	3										3	
COMP	1022Q	Introduction to Computing with Java	3												
COMP	2011	Introduction to Computing with Excel VBA	3												
COMP	2011	Programming with C++	4												
ENGG	1010	Academic Orientation	0	0	0									0	
LANG	2030	Technical Communication I	3				3							3	
MATH	1012	Note: MATH1012 OR MATH1013 OR MATH1023 AND (MATH1014 OR MATH1024) OR (MATH1020)	4												
MATH	1013	Calculus IA	4												
MATH	1014	Calculus IB	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												
MATH	2350	Matrix Algebra and Applications	3							3				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									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											21	
<b>Major Required Courses and Electives</b>															
MECH	1390	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	2907	Mechatronic Design and Prototyping	3								3			3	
MECH	3030	Mechanisms of Machinery	3									3		3	
MECH	3300	Note: MECH3300 OR MECH3420 OR MECH3520	3												
MECH	3420	Energy Conversion	3								3			3	
MECH	3520	Engineering Materials II	3												
MECH	3520	Design and Manufacturing II	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	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	
<b>Required credits for Major Requirements Courses and Electives</b>			51											51	
<b>BBA in General Business 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	3			3								3	
ECON	2113	Principles of Microeconomics	3												
ECON	2123	Note: ECON 2123 OR ECON 3123	3						3					3	
ECON	3123	Macroeconomics	3												
FINA	2303	Macroeconomic Theory I	3												
FINA	2303	Financial Management	3			3								3	
ISOM	2010	Introduction to Information Systems	3											0	
ISOM	2020	Substituted by COMP 1021/1022P/1022Q/2011	3												
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: MATH1003 OR MATH1012 OR MATH1013 OR MATH1020 OR MATH1023	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												
<b>Required credits for School Requirements</b>			43-44											39	
<b>Major Requirements</b>															
<b>Major Required Courses and Electives</b>															
SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)	29		3			3		3	3	7	10	29	
<b>Required credits for Major Required Courses and Electives</b>			29											29	
<b>Additional Requirements</b>															
<b>Requirements for Dual Degree Program</b>															
<b>Required Courses</b>															
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	2		2									2	
<b>Required credits for Additional Requirements</b>			2											2	
<b>University CORE</b>															
CORE	C3 - C12	U CORE - Others	30	9	3					6	3	6	3	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 17 18 18 19 18 18 18 18 16															
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<b>&lt;&lt; Declaration of major</b>															

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.