

			<< Declaration of BEng major		<< Declaration of BBA major												
School:			School of Engineering and School of Business Management			Student's Pathway											
Program:			Dual Degree Program (BEng in Mechanical Engineering and BBA in Global Business)														
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	Subtotal	Remarks		
BEng in Mechanical Engineering																	
Engineering Fundamental Courses																	
COMP	1023	Note: COMP1023 OR COMP2011 OR COMP2012H	3-5											3	Students should take COMP 1023, COMP 2011 or COMP 2012H which will also be used to substitute ISOM 2010 and to waive ISOM 2020		
COMP	2011	Introduction to Python Programming	3	3													
COMP	2020	Programming with C++ Honors Object-Oriented Programming and Data Structures	4-5														
MATH	1013	Note: [MATH 1013 OR MATH1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1020]	4-7												6		
MATH	1014	Calculus I	3		3	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						3		
MATH	2350	Matrix Algebra and Applications	3														
MATH	2351	Applied Linear Algebra and Differential Equations Introduction to Differential Equations	3														
PHYS	1112	Note: PHYS1112 OR PHYS1312	3												3		
PHYS	1312	General Physics I with Calculus Honors General Physics I	3		3												
CHEM	1008	Science 1000-level course (1 course of the specified course list)	3-4												0		
CHEM	1012	Introductory Chemistry	3														
LIFE	1012	General Chemistry II: Atomic Structure, Molecules, and Bonding Theories	3		(3)												
PHYS	1101	General Biology I	3														
PHYS	1101	Introductory Physics	4														
Required Credits for Engineering Fundamental Courses				19-25	6	6	3	3	0	0	0	0	0	0	18		
Major Required Courses and Electives																	
MECH	1001	Academic and Professional Development I	0	0	0	0	0							0			
MECH	1910	Foundations of Mechanical and Aerospace Engineering	3	3										3			
MECH	1990	Industrial Training	0			0*	0*							0			
MECH	2002	Academic and Professional Development II	0					0	0	0	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	2420	Design and Manufacturing I	3				3							3			
MECH	3020	Mechanics of Machinery	3					3						3			
MECH	3300	Note: MECH3300 OR MECH3420 OR MECH3710	3												3		
MECH	3420	Energy Conversion	3					3									
MECH	3710	Engineering Materials II Manufacturing Processes and Systems	3														
MECH	3810	Heat Transfer	3					3						3			
MECH	3810	Control Principles	3					3						3			
MECH	3830	Electrical Technology	3						3					3			
MECH	3830	Laboratory	3							3				3			
MECH	3907	Manufacture Design and Prototyping	3						3					3			
MECH	4000	Final Year Design Project	6							3	3	3	3	6			
ELEC	2420	Basic Electronics	3			3								3			
BEng in Mechanical Engineering Major Requirements				51	3	0	9	12	12	9	0	0	3	3	51		
BBA in Global Business																	
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		
ECON	2113	Principles of Microeconomics Microeconomics	3		3												
ECON	2123	Note: ECON 2123 OR ECON 3123	3												3		
ECON	3123	Macroeconomics Macroeconomic Theory I	3					3									
FINA	2303	Financial Management	3		3									3			
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP 1023, COMP 2011 or COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP 1023, COMP 2011 or COMP 2012H instead of ISOM 2010.		
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0			
ISOM	2900	Business Statistics	3	3										3			
ISOM	2900	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			
MATH	1003	Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												0		
MATH	1013	Calculus and Linear Algebra	3		(3)												
MATH	1013	Calculus II	3														
MATH	1020	Accelerated Calculus	4														
MATH	1023	Honors Calculus I	3														
Required Credits for School Requirements				39-40	6	3	6	3	4	3	0	0	5	2	32		
Major Required Courses and Electives																	
GBUS	1000	Global Leadership Development	0					0	0	0	0	0	0	0			
GBUS	2010	Global Business Analysis	3						3					3			
GBUS/SBMT		Note: GBUS 2040 OR SBMT 2100-2110	1-4												1		
GBUS	2040	Environmental, Social, and Governance (ESG) Corporate Project	1						1	[1]							
SBMT	2100-2110	Community Services Project	4														
GBUS/ISOM		Note: GBUS 3030 OR ISOM 4780	3-4												3		
GBUS	3030	Global Business Case Studies	4							3	[7]						
ISOM	4780	Global Business Case Studies Innovation, Design and Execution	3														
GBUS	4910	Capstone Project	4									4	[4]	4			
GBUS		Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each area and at least 2 courses must be offered by GBUS. Courses taken to fulfill requirements of an additional major in SBMT may not be counted towards this elective requirement.)	15								6	3	6	15			
Required Credits for Major Required Courses and Electives				26-30	0	0	0	0	0	0	4	3	6	7	6	26	
Additional Requirement for Dual Degree																	
Requirements for Dual Degree Program																	
TEMG	1011	T&M Professional Activities I	0	0	0									0			
TEMG	1012	T&M Professional Activities II	0			0	0							0			
TEMG	1013	T&M Professional Activities III	0					0	0					0			
TEMG	1014	T&M Professional Activities IV	0							0	0			0	To graduate, students should complete ALL requirements as specified for DDP.		
TEMG	1015	T&M Professional Activities V	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	0	3	0	0	0	0	4	0	0	0	7		
University Common Core Requirement																	
CORE	C3 - C9	U CORE - Others	21							9	9			3	21		
CORE	C1 & C2	U CORE - English Language	6	3	3										6		
IBASW	1995	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2										3		
Sub-total for University CORE				30	4	5	0	0	0	0	0	9	9	0	3	30	
Term load (excl. free credits)																	
				19	17	18	16	16	16	16	16	15	15	14		164	
				164##													

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.