

<< 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 Global Business)			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	Introduction to Computer Science	3													
COMP	1022P	Introduction to Computing with Java	3	3												
COMP	2011	Programming with C++	4													
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5													
LANG	2030	Technical Communication I	3	-	-	-	-	-	-	-	-	-	-	-	-	0
MATH	1012	Calculus IA	4													
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	Matrix Algebra and Applications	3													
MATH	2350	Applied Linear Algebra and Differential Equations	3						3							3
MATH	2351	Introduction to Differential Equations	3													
PHYS	1112	General Physics I with Calculus	3		3											
PHYS	1312	Honors General Physics I	3													
		[1 course from the specified course list]	3 or 4													
PHYS	1101	Introductory Physics	4		(3)											0
CHEM	1008	Introductory Chemistry	3													
CHEM	1020	General Chemistry I	3													
LIFS	1901	General Biology I	3													
Required credits for Engineering Fundamental Courses			22-26													18
Major Required Courses and Electives																
MECH	1990	Industrial Training	0			0*	0*									
MECH	1906	Mechanical Engineering for Modern Life	3			3										3
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	Energy Conversion	3													
MECH	3420	Engineering Materials II	3						3							3
MECH	3520	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													54
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	Principles of Microeconomics	3			3										3
ECON	2113	Principles of Macroeconomics	3													
ECON	2123	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
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	-	-	0
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
LANG	2061	Professional Writing for the Workplace	3										3			3
LANG	2062	Professional Speaking for the Workplace	3													
LANG	3060	Advanced Academic Writing	3													
MATH	1003	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													
Required credits for School Requirements			43-44													35
Major Requirements																
Major Required Courses and Electives																
GBUS	1000	Global Leadership Development	0					0	0	0	0	0	0	0	0	0
GBUS	2010	Global Business Analysis	3						3							3
GBUS	2020	Public Service Project	1						1	[1]						1
GBUS	2040	Environmental, Social, and Governance (ESG) Corporate Project	1													
GBUS/ISOM	3030	Global Business Case Studies	3-4								4	[3]				4
ISOM	4780	Integrated Planning and Execution	4													
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 SBM may not be counted towards this elective requirement.)	15								6	3	6			15
Required credits for Major Required Courses and Electives			26-27													27
Additional Requirements																
Requirements for Dual Degree Program																
Required Courses																
TEMG	1010	T&M Professional Activities	0	0	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
Required credits for Additional Requirements			7													7
University CORE																
CORE	C3 - C9	U CORE - Others	21			3	6	3				3			6	21
CORE	C1 & C2	U CORE - English Language	6	3	3											6
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2											3
Sub-total for University CORE			30													30
Term load (excl. free credits)																
16 17 18 18 17 19 16 15 18 17																
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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.