

<< 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												
<b>BEng in Mechanical Engineering</b>																
<b>Major Requirements</b>																
Engineering Fundamental Courses																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H		3-5												
COMP	1022P	Introduction to Computer Science		3												
COMP	2011	Introduction to Computing with Java		3	3										3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
COMP	2012H	Programming with C++		4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5												
LANG	2030	Technical Communication I		3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
MATH	1012	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)]		4-7												
MATH	1013	OR (MATH 1020)		4												
MATH	1014	Calculus IA		3	3	3									6	
MATH	1020	Calculus IB		3												
MATH	1023	Calculus II		4												
MATH	1024	Accelerated Calculus		3												
MATH	1024	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												
MATH	2351	Introduction to Differential Equations		3												
PHYS	1112	Note: PHYS1112 OR PHYS1312		3												
PHYS	1312	General Physics I with Calculus		3		3									3	
PHYS	1312	Honors General Physics I		3												
PHYS	1101	[1 course from the specified course list]		3												
PHYS	1101	Introductory Physics		3		(3)									0	
CHEM	1008	Introductory Chemistry		3												
CHEM	1020	General Chemistry I		3												
LIFS	1901	General Biology I		3												
<b>Required credits for Engineering Fundamental Courses</b>				22-26											18	
<b>Major Required Courses and Electives</b>																
MECH	1990	Industrial Training		0				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	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
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											54	
<b>BBA in Global Business</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	3123	Microeconomics		3												
ECON	3123	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	Substituted by COMP 1021/1022P/2011/2012H
ISOM	2020	Coding for Business		1	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students if they have taken and passed COMP 1021 or COMP 1029P
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
LABU	2040	Business Case Analyses		3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
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	(3)											
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											35	DDP students should take MATH 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees
<b>Major Requirements</b>																
Major Required Courses and Electives																
GBUS	1000	Global Leadership Development		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
GBUS/ISOM	3030	Note: GBUS 3030 OR ISOM2040		3-4												
GBUS	2040	Global Business Case Studies		4							4					4
ISOM	2040	Business Simulation and Strategic Decisions		3												
GBUS	4910	Capstone Project		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
<b>Required credits for Major Required Courses and Electives</b>				26-27											27	
<b>Additional Requirements</b>																
<b>Requirements for Dual Degree Program</b>																
Required Courses																
TEMG	1010	T&M Professional Activities		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
<b>Required credits for Additional Requirements</b>				7											7	
<b>University CORE</b>																
CORE	C3 - C9	U CORE - Others		21			3	6	6				6			21
CORE	C1 & C2	U CORE - English Language		6	3	3										6
CORE	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness		3	0	3										3
<b>Sub-total for University CORE</b>				30												30
Term load (excl. free credits)																
15 18 18 18 16 19 19 18 15 15																
171##																
<< Declaration of BEng major << Declaration of BBA major																

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.