

School:		School of Engineering and School of Business Management		Student's Pathway											
Program:		Dual Degree Program (BEng in Electronic 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	Sub-total	Remarks
BEng in Electronic Engineering															
Engineering Fundamental Courses															
ELEC	2000	Note: ELEC 2000 OR MATH 2111 OR MATH 2111 OR MATH 2350 OR MATH 2351 (3 courses out of 5)	4											9	
MATH	2111	Probability and Random Processes in Engineering	3			3	3	3							
MATH	2350	Introduction to Multivariable Calculus	3												
MATH	2351	Matrix Algebra and Applications	3												
MATH	2351	Applied Linear Algebra and Differential Equations	3												
MATH	2351	Introduction to Differential Equations	3												
COMP	1023	Introduction to Python Programming	3												
COMP	2011	Note: COMP2011 OR COMP2012H	4-5		3										
COMP	2012H	Programming with C++	4			4								4	Students should take COMP1023 which will also be used to substitute ISCM 2010 and to receive ISCM 2020
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
MATH	1013	Note: [MATH 1013 OR MATH 1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1020]	4-6												
MATH	1014	Calculus I	3	3	3									6	DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees
MATH	1014	Calculus II	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
MATH	1024	Honors Calculus II	3												
PHYS	1112	Note: PHYS1112 OR PHYS1312	3											3	
PHYS	1312	General Physics I with Calculus	3	3											
PHYS	1312	Honors General Physics I	3												
PHYS	1114	Note: PHYS1114 OR PHYS1314	3											3	
PHYS	1314	General Physics II	3		3										
PHYS	1314	Honors General Physics II	3												
Required Credits for Engineering Fundamental Courses				26-30	6	9	7	3	3	0	0	0	0	0	28
Major Required Courses and Electives															
ELEC	1100	Introduction to Electro-Robot Design	4	4										4	
ELEC	1200	A System View of Communications: from Signals to Packets	4	4										4	
ELEC	1910	Academic and Professional Development I	0	0	0									4	
ELEC	2100	Signals and Systems	4					4						4	
ELEC	2350	Introduction to Computer Organization and Design	4				4							4	
ELEC	2400	Electronic Circuits	4		4									4	
ELEC	2510	Academic and Professional Development II	0		0	0								4	
ELEC	2591	Industrial Experience (Electronic Engineering)	0			0	0	0	0					0	Students should complete safety training and internship/industrial training to get pass of ELEC 2591
ELEC	3510	Academic and Professional Development III	0					0	0					0	
ELEC	4900	Note: [ELEC 4900 OR ELEC 4901] OR [ELEC 4910] (Students taking the Research Option must take ELEC 4901)	6												
ELEC	4901	Final Year Design Project	6									3*	3	6	3* = 1 credit in year 4 Summer + 2 credits in year 5 Fall
ELEC	4901	Final Year Thesis	6												
ELEC	4910	Co-op Program	6												
ELEC		ELEC 3500-level or above Electives (Courses of the subject and level as specified, out of which at least 2 courses must be at 4000-level, ELEC 4940 cannot be used to count towards the elective requirement)	21						11	3	3	4		21	
BEng in Electronic Engineering Major Requirements				47	4	4	4	4	4	11	3	3	7	3	47
BBA in Global Business															
School Requirements															
ACCT	1010	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												
ECON	2113	Principles of Microeconomics	3		3									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	COMP 1023 is more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 instead of ISOM 2010.
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	ISOM 2020 is waived for DDP students who have taken and passed COMP 1023. The COMP course is similar or more advanced coding (Python) courses as ISOM 2020.
ISOM	2020	Business Statistics	3			3								3	
ISOM	2050	Introduction to Business Analytics	1						1					1	
ISOM	2100	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	2110	Business Ethics and Social Responsibility	2									2		2	
MATH	1003	Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												
MATH	1003	Calculus and Linear Algebra	3		(3)									0	DDP students should take MATH 1013 and MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees
MATH	1013	Calculus I	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus	3												
Required Credits for School Requirements				35-40	3	3	6	6	3	3	3	3	0	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/ISMT	2040	Note: GBUS 2040 OR ISMT 2100-2110	1-4							1	[1]			1	
GBUS	2040	Environmental, Social, and Governance (ESG) Corporate Project	1												
ISMT	2100-2110	Community Services Project	4												
GBUS/ISOM	3030	Note: GBUS 3030 OR ISOM 4780	3-4												
GBUS	4780	Global Business Case Studies	4							3	[3]			3	
GBUS	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 A/B/M cannot be included towards this degree)	15							6	3	6	15		
Required Credits for Major Required Courses and Electives				26-30	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	
TEMG	1015	T&M Professional Activities V	0									0	0	0	
TEMG	3050	T&M Case Analysis and Product Innovation	3		3							4		3	
TEMG	4950	T&M Corporate Consulting Project	2-5											4	
Required Credits for Additional Requirements				7	0	3	0	0	0	0	0	4	0	0	7
University Common Core Requirement															
CORE	C3 - C9	U CORE - Others	21					3	6		6		3	3	21
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
HWAW	1905	Behavioral Foundations of University Education: Health, Mindsets, and Wellness	3	1	2									3	
Sub-total for University CORE				30	4	5	0	3	6	0	6	0	3	3	30
Term load (incl. free credits)															
				17	24	17	16	16	18	15	16	17	14		
				170##											

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.