

<< 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 Electronic Engineering and BBA in Economics)			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	
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits												
BEng in Electronic Engineering															
Major Requirements															
Engineering Fundamental Courses															
ELEC	2600	Note: ELEC2600 OR ELEC2600H) OR MATH2011 OR MATH2111 OR MATH2350 OR MATH 2351 (3 courses out of 6)	9-10												
ELEC	2600H	Probability and Random Processes in Engineering	4												
MATH	2011	Honors Probability and Random Processes in Engineering	4	3		3		3							9
MATH	2111	Introduction to Multivariable Calculus	3												
MATH	2350	Matrix Algebra and Applications	3												
MATH	2350	Applied Linear Algebra and Differential Equations	3												
MATH	2351	Introduction to Differential Equations	3												
COMP	1021	Note: COMP1021 OR COMP1022P	3												
COMP	1022P	Introduction to Computer Science	3		3										3
COMP	2011	Introduction to Computing with Java	3												
COMP	2012H	Note: COMP 2011 OR COMP 2012H	4-5												
COMP	2012H	Programming with C++	4			4									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)] OR [MATH 1020]	4-7												
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3	3											6
MATH	1014	Calculus II	3		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												
PHYS	1312	General Physics I with Calculus	3	3											3
PHYS	1312	Honors General Physics I	3												
PHYS	1114	Note: PHYS1114 OR PHYS1314	3												
PHYS	1314	General Physics II	3		3										3
PHYS	1314	Honors General Physics II	3												
SENG		Engineering Introduction course (If the students take an introduction course included in their major, this course can be counted towards their major requirement.)	3-4		(3)										0
Required credits for Engineering Fundamental Courses			32-38												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	2100	Note: ELEC2100 OR ELEC2100H	4							4					4
ELEC	2100H	Signals and Systems	4												
ELEC	2350	Honors 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	2910	Academic and Professional Development I	0			0	0								0
ELEC	3910	Academic and Professional Development II	0					0	0						0
ELEC	4900	Note: [ELEC 2991 AND (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
ELEC	4901	Final Year Thesis	6												
ELEC	2991	Industrial Experience (Electronic Engineering)	0												
ELEC	4910	Co-op Program	6												
ENGG	2010	Engineering Seminar Series	0			0	0	0	0						0
LANG	4031	Technical Communication II for ECE & CPEG	3										3		3
ELEC		ELEC 3000-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 this elective requirement)	21				3		3		6	3	6		21
Required credits for Major Requirements Courses and Electives			50												50
BBA in Economics															
School Requirements															
ACCT	2010	Principles of Accounting I	3	3											3
ACCT	2200	Principles of Accounting II	3							3					3
ECON	2103	Note: ECON2103 OR ECON2113	3		3										3
ECON	2113	Principles of Microeconomics	3												
ECON	2123	Note: ECON2123 OR ECON3123	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
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
ECON	3700	Writing as an Economist	3							3					3
LANG	2062	Professional Speaking for the Workplace	3	-	-	-	-	-	-	-	-	-	-	-	0
Waived for DDP students															
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	(3)											
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															
ECON	3014	Managerial Microeconomics	4					4							4
ECON	3024	Managerial Macroeconomics	4						4						4
ECON	3334	Introduction to Econometrics	4							4					4
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)	11								4	4	3		11
Required credits for Major Required Courses and Electives			23												23
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
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	3					3	3	3	15
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												24
Term load (excl. free credits)															
16 20 17 19 10 18 18 16 16 17															
167##															

Notes:
 () indicates the reuse of the same course to fulfill more than one requirement.
 --- 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.