

<< 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 Management)			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 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	2351	Applied Linear Algebra and Differential Equations	3													
MATH	2351	Introduction to Differential Equations	3													
COMP	1021	Note: COMP1021 OR COMP1022P	3		3											
COMP	1022P	Introduction to Computer Science	3												3	
COMP	2011	Introduction to Computing with Java	3												This course will also be used to substitute ISOM 2010	
COMP	2011	Programming with C++	4			4									4	
ENGG	1010	Academic Orientation	0	0	0										0	
LANG	2030	Technical Communication I	3							3					3	
MATH	1012	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-7													
MATH	1013	Calculus IA	4													
MATH	1014	Calculus IB	3	3		3									6	
MATH	1020	Calculus II	3													
MATH	1023	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
MATH	1024	Honors Calculus II	3													
PHYS	1112	Note: PHYS1112 OR PHYS1312	3	3											3	
PHYS	1312	General Physics I with Calculus	3													
PHYS	1114	Note: PHYS1114 OR PHYS1314	3		3										3	
PHYS	1314	General Physics II	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			32-37												31	
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													
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: (ELEC4900 AND ELEC2991) OR (ELEC4901 AND ELEC2991) OR ELEC4910	6													
ELEC	4901	(Students taking the Research Option must take ELEC 4901)	6													
ELEC	4901	Final Year Design Project	6										3	3	6	
ELEC	2991	Final Year Thesis	6													
ELEC	4910	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 4000-level Electives (Any 2 courses ELEC 4000-level courses. ELEC4940 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 Management																
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												Substituted by COMP 1021/1022P	
ISOM	2500	Business Statistics	3			3									3	
ISOM	2600	Introduction to Business Analytics	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	
SBMT	1111	Business Student Induction	0												0	
LABU	2040	Business Case Analyses	3				3								3	
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	(3)											0	
MATH	1013	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												39	
Major Requirements																
Major Required Courses and Electives																
MGMT	3110	Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.)	4							4					4	
MGMT	3120	Human Resources Management	4												Students in the Consulting Option must take MGMT 3120	
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)	4							4					4	
MGMT	3140	Judgement and Decision Making in Organizations	4												Students in the Consulting Option must take MGMT 3140	
MGMT	4210	Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.)	3-4								3				3	
MGMT	4220	Corporate Strategy	3												Students in the Consulting Option must take MGMT 4210	
MGMT	4220	Entrepreneurship and Innovation	4												Students in the Consulting Option must take MGMT 4210	
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)	9								3	3	3		9	
Required credits for Major Required Courses and Electives			20-21												20	
Additional Requirements																
Requirements for Dual Degree Program																
Required Courses																
TEMG	1010	Technology and Management Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	0	
TEMG	3950	Case-based Problem Solving	3		3										3	
Required credits for Additional Requirements			3												3	
University CORE																
CORE	C3 - C12	U CORE - Others	30	6	3						6	9	3	3	30	
CORE	C1 & C2	U CORE - English Language	6	3	3										6	
Sub-total for University CORE			36												36	
Term load (excl. free credits)																
18 18 20 19 20 19 20 18 15 12																
179##																
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Notes:

- () indicates the reuse of the same course to fulfill more than one requirement.
- [] denotes the course is also offered in other terms as indicated and students may take the course in one of these subject to advice by the program office.
- 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.