

<< Declaration of major

School:		School of Engineering and School of Business Management			Student's Pathway									
Program:		Dual Degree Program (BEng in Electronic Engineering and BBA in General Business Management)												
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

**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)	4												
ELEC	2600H	Probability and Random Processes in Engineering	4												
MATH	2111	Honors Probability and Random Processes in Engineering	4	3		3		3						9	
MATH	2350	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 COMP1022 OR COMP1022A AND (COMP1023 OR COMP1029P)	3												
COMP	1022P	Introduction to Computer Science	3												
COMP	1022Q	Introduction to Computing with Java	3		3									3	
COMP	1029J	Introduction to Computing with Excel VBA	3											This course will also be used to substitute ISOM 2010	
COMP	1029P	Java Programming Bridging Course	1												
COMP	1029P	Python Programming Bridging Course	1												
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: (MATH1012 OR MATH1013 OR MATH1023) AND (MATH1014 OR MATH1024) OR (MATH1020)	4-7												
MATH	1013	Calculus IA	4												
MATH	1013	Calculus IB	3	3	3									6	
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										3	
PHYS	1312	General Physics I with Calculus	3												
PHYS	1312	Honors General Physics I	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	
<b>Required credits for Engineering Fundamental Courses</b>			<b>32-37</b>											<b>31</b>	

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	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		Note: (ELEC4900 AND ELEC2991) OR (ELEC4901 AND ELEC2991) OR ELEC4910 (Students taking the Research Option must take ELEC 4901)	6											
ELEC	4900	Final Year Design Project	6									3	3	6
ELEC	4901	Final Year Thesis	0											
ELEC	2991	Industrial Experience (Electronic Engineering)	6											
ELEC	4910	Co-op Program	6											
ENGG	2010	Engineering Seminar Series	0			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
<b>Required credits for Major Requirements Courses and Electives</b>			<b>50</b>											<b>50</b>

**BBA in General Business 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	2113	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
ISOM	2010	Introduction to Information Systems	3											3
ISOM	2020	Coding for Business	1											1
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
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: MATH1003 OR MATH1012 OR MATH1013 OR MATH1020 OR MATH1023	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>			<b>43-44</b>											<b>39</b>

**Major Requirements**

Major Required Courses and Electives

SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)	29					3	3		6	4	3	10	29
<b>Required credits for Major Required Courses and Electives</b>			<b>29</b>											<b>29</b>	

**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
TEMG	3950	Case-based Problem Solving	2		2									2
<b>Required credits for Additional Requirements</b>			<b>2</b>											<b>2</b>

**University CORE**

CORE	C3 - C12	U CORE - Others	30	6	3					3	6	6	3	3	30
CORE	C1 & C2	U CORE - English Language	6	3	3										6
<b>Sub-total for University CORE</b>			<b>36</b>												<b>36</b>

Term load (excl. free credits)

18	17	20	19	19	19	20	16	17	22
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.

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