

<< 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 Computer 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	Sub-total	
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List		Credits												
<b>BEng in Computer Engineering</b>																
<b>Major Requirements</b>																
<b>Engineering Fundamental Courses</b>																
COMP	1021	Note: COMP1021 OR COMP1022P Introduction to Computer Science		3	3										3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
COMP	1022P	Introduction to Computing with Java		3											0	
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												6
MATH	1013	Calculus IA		4												
MATH	1014	Calculus IB		3	3	3										
MATH	1020	Accelerated Calculus		4												
MATH	1023	Honors Calculus I		3												
MATH	1024	Honors Calculus I		3												
MATH	2011	Introduction to Multivariable Calculus		3					3						3	
MATH	2111	Matrix Algebra and Applications		3					3						3	
PHYS	1112	Note: PHYS1112 OR PHYS1312 General Physics I with Calculus		3	3										3	
PHYS	1312	Honors General Physics		3												
PHYS	1114	Note: PHYS1114 OR PHYS1314 General Physics II		3						3					3	
PHYS	1314	Honors General Physics I		3												
SENG		Engineering Introduction course (If the students take an introduction course included in the major, this course can be counted towards their major requirement)		3-4	(3)										0	
<b>Required credits for Engineering Fundamental Courses</b>				25-29											21	
<b>Major Required Courses and Electives</b>																
CPEG	1971	Note: [CPEG 1971 AND (CPEG 4901 OR CPEG 4902 OR CPEG 4911 OR CPEG 4912)] OR [CPEG 4910] (Students taking the Research Option must take either CPEG 4902 or CPEG 4912)		6												
CPEG	4901	Industrial Experience		0									3	3	6	
CPEG	4902	Computer Engineering Final Year Project in COMP		6												
CPEG	4911	Computer Engineering Final Year Project in ELEC		6												
CPEG	4912	Computer Engineering Final Year Thesis in ELEC		6												
CPEG	4910	Co-op Program		6												
CPEG	2930	Academic and Professional Development I		0			0	0							0	
CPEG	3930	Academic and Professional Development II		0					0	0					0	
COMP	2011	Note: (COMP2011 AND COMP2012) OR COMP2012H Programming with C++		5-8			4		4						8	
COMP	2012	Object-Oriented Programming and Data Structures		4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5												
COMP	2611	Note: COMP2611 OR ELEC2350 Computer Organization		4				4							4	
ELEC	2350	Introduction to Computer Organization and Design		4												
COMP	2711	Note: COMP2711 OR COMP2711H Discrete Mathematical Tools for Computer Science		4						4					4	
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science		4												
COMP	3511	Operating Systems		3								3			3	
ELEC	1100	Introduction to Electro-Robot Design		4			4								4	
ELEC	2100	Signals and Systems		4			4								4	
ELEC	2400	Electronic Circuits		4						4					4	
ELEC	2800	Probability and Random Processes in Engineering		4								4			4	
ELEC	3300	Introduction to Embedded Systems		4								4			4	
ENGG	2010	Engineering Seminar Series		0			0	0	0	0					0	
LANG	4030	Note: LANG4030 OR LANG4031 Technical Communication II for CSE, CPEG & DSCT		3									3		3	
LANG	4031	Technical Communication II for ECE & CPEG		3												
COMP/ELEC/ENGG		Area Courses [At least 2 courses should be taken from one area 12 and at least 1 course outside that area (including course(s) in the Courses without Associated Area)].		12			3					3	3	3	12	
COMP/ELEC		COMP/ELEC 2000-level or above Elective (Any course(s) of the subject and level as specified)		3							3				3	
<b>Required credits for Major Requirements Courses and Electives</b>				59-63											63	
<b>BBA in Economics</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 Principles of Microeconomics		3			3								3	ECON 2103 / 2113 / 2123 is a major pre-requisite
ECON	2113	Microeconomics		3												
ECON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics		3					3						3	
ECON	3123	Macroeconomic Theory		3												
FINA	2303	Financial Management		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 COMP1021 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	
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												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
MATH	1012	Calculus and Linear Algebra		3												
MATH	1013	Calculus IA		4	(3)											
MATH	1020	Accelerated Calculus		4												
MATH	1023	Honors Calculus		3												
<b>Required credits for School Requirements</b>				45-46											35	
<b>Major Requirements</b>																
<b>Major Required Courses and Electives</b>																
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	
<b>Required credits for Major Required Courses and Electives</b>				23											23	
<b>Additional Requirements</b>																
<b>Requirements for Dual Degree Program</b>																
<b>Required Courses</b>																
TEMG	1010	T&M Professional Activities		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			3	3	3	3	6	21	
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	
<b>Sub-total for University CORE</b>				30											30	
Term load (excl. free credits)																
16 17 17 18 17 20 18 19 20 17																
179##																
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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.