

<< 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 Civil Engineering and BBA in Global Business)			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 Civil Engineering																
Major Requirements																
Engineering Fundamental Courses																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5													
COMP	1022P	Introduction to Computer Science	3													
COMP	2011	Introduction to Computing with Java	3		3											
COMP	2012H	Programming with C++	4													
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5													
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	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	1012	Calculus IA	4													
MATH	1013	Calculus IB	3													
MATH	1014	Calculus II	3	3	3											
MATH	1020	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
MATH	1024	Honors Calculus II	3													
MATH	2011	Introduction to Multivariable Calculus	3			3										
MATH	2350	Applied Linear Algebra and Differential Equations	3			3										
PHYS	1112	Note: PHYS 1112 OR PHYS 1312	3	3												
PHYS	1312	General Physics I with Calculus	3													
PHYS	1312	Honors General Physics I	3													
Required credits for Engineering Fundamental Courses				19-24	9	6	6	0	0	0	0	0	0	0	21	
Major Required Courses and Electives																
CIVL	1010	Academic Professional Development I	0			0	0									
CIVL	1100	Discovering Civil and Environmental Engineering	3			3										
CIVL	2010	Academic Professional Development II	0					0	0							
CIVL	2020	Industrial and BIM Training	0			0*	0									
CIVL	2110	Statics	3			3										
CIVL	2120	Mechanics of Materials	3				3									
CIVL	2160	Modeling Systems with Uncertainties	3			3										This course will also be used to substitute ISOM 2500
CIVL	2170	Infrastructure Systems Engineering and Management	3				3									
CIVL	2410	Environmental Assessment and Management	3				3									
CIVL	2510	Fluid Mechanics	3				3									
CIVL	2810	Construction Materials	3					3								
CIVL	3010	Academic Professional Development III	0						0	0						
CIVL	3020	Internship Training	0								0^					
CIVL	3210	Introduction to Construction Management	3							3						
CIVL	3310	Structural Analysis	3					3								
CIVL	3320	Reinforced Concrete Design	3						3							
CIVL	3510	Hydrosystems Engineering	3						3							
CIVL	3610	Traffic and Transportation Engineering	3							3						
CIVL	3730	Fundamentals of Geotechnics	3								3					
CIVL	3740	Geotechnical Analysis and Design	3									3				
CIVL	4910	Note: CIVL 4910 OR CIVL 4920 (Students taking the Research 6 Option must take CIVL 4920)	6										3	3	6	
CIVL	4920	Civil and Environmental Engineering Final Year Project	6													
CIVL	4950	Civil and Environmental Engineering Final Year Thesis	6													
CIVL	4950	Civil Engineering Capstone Design Project	3										3		3	
ENGG	2010	Engineering Seminar Series	0			0	0	0	0							
CIVL/SENG		CIVL Electives (3 courses from the specified elective list) CIVL: Any CIVL courses at 4000-level or above except CIVL 4230 SENG: Any 3000-level or above courses offered by the Engineering School or engineering departments other than CIVL	9									3	3	3	9	
Required credits for Major Requirements Courses and Electives				63											63	
BBA in Global Business																
School Requirements																
ACCT	2010	Principles of Accounting I	3			3										
ACCT	2200	Principles of Accounting II	3						3							
ECON	2103	Note: ECON 2103 OR ECON 2113	3			3										
ECON	2113	Principles of Microeconomics	3													
ECON	2123	Note: ECON 2123 OR ECON 3123	3					3								
ECON	3123	Macroeconomics	3													
FINA	2303	Macroeconomic Theory I	3													
FINA	2303	Financial Management	3				3									
ISOM	2010	Introduction to Information Systems	3													Substituted by COMP 1021/1022P/2011/2012H
ISOM	2020	Coding for Business	1													Waived for DDP students if they have taken and passed COMP1021 or COMP 1029P
ISOM	2500	Business Statistics	3													Substituted by CIVL 2160
ISOM	2600	Introduction to Business Analytics	1									1				
ISOM	2700	Operations Management	3								3					
MARK	2120	Marketing Management	3				3									
MGMT	2010	Business Ethics and the Individual	2									2				
MGMT	2110	Organizational Behavior	3			3										
MGMT	2130	Business Ethics and Social Responsibility	2										2			
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													
MATH	1013	Calculus IA	4													
MATH	1013	Calculus IB	3			(3)										
MATH	1020	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
Required credits for School Requirements				39-40											29	
Major Requirements																
Major Required Courses and Electives																
GBUS	1000	Global Leadership Development	0					0	0	0	0	0	0	0	0	
GBUS	2010	Global Business Analysis	3						3							
GBUS/SBMT	2020	Note: GBUS 2020 OR GBUS 2040 OR SBMT 2100-2110	1-4													
GBUS	2040	Public Service Project	1							1	[1]					
GBUS	2040	Environmental, Social, and Governance (ESG) Corporate Project	1													
SBMT	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]				
ISOM	4780	Integrated Planning and Execution	3													
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 in SBM may not be counted towards this elective requirement.)	15									6	3	6	15	
Required credits for Major Required Courses and Electives				26-30											26	
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										
TEMG	4950	T&M Corporate Consulting Project	3-5						4							
Required credits for Additional Requirements				7											7	
University CORE																
CORE	C3 - C9	U CORE - Others	21				3	3	3	6	3		3		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	
Sub-total for University CORE				30											30	
Term load (excl. free credits)																
16 17 18 21 19 19 15 17 17 17																
176##																

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.