

School:		School of Engineering and School of Business Management			Student's Pathway										
Program:		Dual Degree Program (BEng in Civil Engineering and BBA in Global Business)													
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	Remarks
BEng in Civil Engineering															
Engineering Fundamental Courses															
CIVL	1121	Note: CIVL 1121 OR COMP 1022P OR COMP 1023 OR COMP2011 OR COMP 2012H	3-5												3
COMP	1022P	Introduction to Computation for Civil Engineers	3		3										
COMP	1023	Introduction to Computing with Java	3												
COMP	2011	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									3	
Note: (MATH 1013 OR MATH1025) AND (MATH 1014 OR MATH 1024) OR (MATH 1023)				4-6											
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 I	3												
MATH	2011	Introduction to Multivariable Calculus	3			3							3	3	
MATH	2350	Applied Linear Algebra and Differential Equations	3			3								3	
Note: PHYS 1112 OR PHYS 1312				3		3								3	
PHYS	1112	General Physics I with Calculus	3												
PHYS	1312	Honors General Physics I	3												
Required Credits for Engineering Fundamental Courses				19-23	6	9	6	0	0	0	0	0	0	21	
Major Required Courses and Electives															
CIVL	1000	Academic and Professional Development for Civil and Environmental Engineering I	0	0	0									0	Students admitted via school-based admission are exempted from taking CIVL1000
CIVL	1100	Discovering Civil and Environmental Engineering	3	3										3	
CIVL	2000	Academic and Professional Development for Civil and Environmental Engineering II	0			0	0							0	
CIVL	2020	Industrial and BIM Training	0			0*								0	
CIVL	2110	Statics	3			3	3							3	
CIVL	2120	Mechanics of Materials	3				3							3	
CIVL	2140	Modeling Systems with Uncertainties	3				3							3	This course will also be used to substitute ISOM 2500
CIVL	2170	Infrastructure Systems Engineering and Management	3				3							3	
CIVL	2410	Environmental Assessment and Management	3				3							3	
CIVL	2510	Fluid Mechanics	3				3							3	
CIVL	2510	Construction Materials	3				3							3	
CIVL	3000	Academic and Professional Development for Civil and Environmental Engineering III	0				0	0						0	
CIVL	3020	Internship Training	0				0*							0	
CIVL	3510	Introduction to Construction Management	3				3							3	
CIVL	3510	Structural Analysis	3				3							3	
CIVL	3520	Reinforced Concrete Design	3				3							3	
CIVL	3510	Hydrosystems Engineering	3				3							3	
CIVL	3610	Traffic and Transportation Engineering	3				3							3	
CIVL	3710	Fundamentals of Geotechnics	3				3							3	
CIVL	3740	Geotechnical Analysis and Design	3				3							3	
CIVL	4000	Academic and Professional Development for Civil and Environmental Engineering IV	0					0	0					0	
Note: CIVL 4910 OR CIVL 4920 (Students taking the Research Option must take CIVL 4920)				6											
CIVL	4910	Civil and Environmental Engineering Final Year Project	6									2	4	6	
CIVL	4920	Civil and Environmental Engineering Final Year Thesis	6												
CIVL	4950	Civil Engineering Capstone Design Project	3							3	3	3		9	
CIVL Electives (3 courses from the specified elective list)				9							3	3	3		
BEng in Civil Engineering Major Requirements				63	3	0	6	12	12	12	6	3	5	4	63
BBA in Global Business															
School Requirements															
ACCT	2010	Principles of Accounting I	3			3								3	
ACCT	2300	Principles of Accounting II	3					3						3	
Note: ECON 2103 OR ECON 2113				3											
ECON	2103	Principles of Microeconomics	3		3									3	
ECON	2113	Microeconomics	3												
Note: ECON 2122 OR ECON 3123				3											
ECON	2123	Macroeconomics	3					3						3	
ECON	3123	Macroeconomics Theory I	3												
FINA	2303	Financial Management	3				3							3	
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP 1023, COMP 1022P, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010.
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	
ISOM	2500	Business Statistics	3			-	-	-	-	-	-	-	-	0	
ISOM	2600	Introduction to Business Analytics	1									1		1	
ISOM	2700	Operations Management	3						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	
Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023				3-4											
MATH	1003	Calculus and Linear Algebra	3		(3)										0
MATH	1013	Calculus I	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
Required Credits for School Requirements				39-40	3	3	3	6	3	3	3	2	1	2	29
Major Required Courses and Electives															
GBUS	1000	Global Leadership Development	0					0	0	0	0	0	0	0	
GBUS	2010	Global Business Analysis	3						3					3	
GBUS/BSMT															
GBUS	2040	Note: GBUS 2040 OR BSMT 2100-2110	1-4						1	[1]				1	
BSMT	2100-2110	Environmental, Social, and Governance (ESG) Corporate Project Community Services Project	1 4												
GBUS/ISOM															
GBUS	3030	Note: GBUS 3030 OR ISOM 4780	3-4							3	[5]			3	
ISOM	4780	Global Business Case Studies Integrated Planning and Execution	4 3												
GBUS	4910	Capstone Project	4									4	[6]	4	
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	0	0	0	0	0	4	3	6	7	6	26
Additional Requirement for Dual Degree															
Requirements for Dual Degree Program															
TEMG	1011	T&M Professional Activities I	0	0	0									0	
TEMG	1012	T&M Professional Activities II	0			0	0							0	
TEMG	1013	T&M Professional Activities III	0					0	0					0	
TEMG	1014	T&M Professional Activities IV	0							0	0			0	
TEMG	1015	T&M Professional Activities V	0									0	0	0	
TEMG	3050	T&M Case Analysis and Product Innovation	3		3									3	
TEMG	4050	T&M Corporate Consulting Project	3-5									4		4	
Required Credits for Additional Requirements				7	0	3	0	0	0	0	4	0	0	7	
University Common Core Requirement															
CORE	C3 - C9	U-CORE - Others	21			3		3		6	3	3	3	21	
CORE	C1 & C2	U-CORE - English Language	6	3	3									6	
HNAM	1905	Behavioral Foundations of University Education: Habits, Motives, and Wellness	3	1	2									3	
Sub-total for University CORE				30	4	5	3	0	3	0	6	3	3	3	30
Term load (excl. free credits)															
				16	20	18	18	16	18	10	18	18	16	15	
				176##											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.