

<< 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)															
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 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	Programming with C++		4		3											
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5													
CHEM	1020	General Chemistry I		3	3												
LANG	2030	Technical Communication I		3	---	---	---	---	---	---	---	---	---	---	---	0	
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	Accelerated Calculus		4													
MATH	1023	Honors Calculus I		3													
MATH	1024	Honors Calculus II		3													
MATH	2011	Introduction to Multivariable Calculus		3				3								3	
MATH	2350	Applied Linear Algebra and Differential Equations		3				3								3	
PHYS	1112	Note: PHYS 1112 OR PHYS 1312		3	3											3	
PHYS	1312	General Physics I with Calculus		3												3	
Required credits for Engineering Fundamental Courses				22-27	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						0	
CIVL	1100	Discovering Civil and Environmental Engineering		3					3							3	
CIVL	2010	Academic Professional Development II		0						0	0					0	
CIVL	2020	Industrial and BIM Training		0				0*	0							0	
CIVL	2110	Statics		3					3							3	
CIVL	2120	Mechanics of Materials		3						3						3	
CIVL	2160	Modeling Systems with Uncertainties		3					3							3	
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	2810	Construction Materials		3						3						3	
CIVL	3010	Academic Professional Development III		0							0	0				0	
CIVL	3020	Internship Training		0								0*				0	
CIVL	3210	Introduction to Construction Management		3								3				3	
CIVL	3310	Structural Analysis		3						3						3	
CIVL	3320	Reinforced Concrete Design		3								3				3	
CIVL	3510	Hydrosystems Engineering		3						3						3	
CIVL	3610	Traffic and Transportation Engineering		3								3				3	
CIVL	3730	Fundamentals of Geotechnics		3								3				3	
CIVL	3740	Geotechnical Analysis and Design		3								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												6	
CIVL	4950	Civil Engineering Capstone Design Project		3										3		3	
ENGG	2010	Engineering Seminar Series		0			0	0	0	0						0	
LANG	4033	Technical Communication II for Civil and Environmental Engineering		3									3			3	
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				66											66		
BBA in Global Business																	
School Requirements																	
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		3		3										3	
ECON	2113	Principles of Microeconomics		3												3	
ECON	2123	Note: ECON 2123 OR ECON 3123		3						3						3	
ECON	3123	Macroeconomics		3												3	
FINA	2303	Financial Management		3				3								3	
ISOM	2010	Introduction to Information Systems		3	---	---	---	---	---	---	---	---	---	---	---	0	
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	
MARK	2120	Marketing Management		3				3								3	
MGMT	2010	Business Ethics and the Individual		2												2	
MGMT	2110	Organizational Behavior		3				3								3	
MGMT	2130	Business Ethics and Social Responsibility		2									2			2	
LABU	2040	Business Case Analyses		3	---	---	---	---	---	---	---	---	---	---	---	0	
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													
MATH	1013	Calculus IA		4		(3)											
MATH	1014	Calculus IB		3													
MATH	1020	Accelerated Calculus		4													
MATH	1023	Honors Calculus I		4													
Required credits for School Requirements				43-44											32		
Major Requirements																	
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	2020	Public Service Project		1							1	[1]				1	
GBUS/ISOM	3030	Note: GBUS 3030 OR ISOM2040		3-4													
GBUS	2040	Global Business Case Studies		4								4	[3]			4	
ISOM	2040	Business Simulation and Strategic Decisions		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				26-27											27		
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										3	
TEMG	4950	T&M Corporate Consulting Project		3-5					4							4	
Required credits for Additional Requirements				7											7		
University CORE																	
CORE	C3 - C9	U CORE - Others		21	3				3			6	3		6	21	
CORE	C1 & C2	U CORE - English Language		6	3	3										6	
CORE	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness		3	0	3										3	
Sub-total for University CORE				30											30		
Term load (excl. free credits)																	
15 18 20 19 19 16 17 19 18																	
183##																	
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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):																	

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.