

An Example on Student's Pathway (as of July 11, 2022)

<< 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 General Business Management)			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 Civil Engineering</b>																		
<b>Major Requirements</b>																		
<b>Engineering Fundamental Courses</b>																		
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H Introduction to Computer Science		3-5														
COMP	1022P	Introduction to Computing with Java		3		3										3		
COMP	2011	Programming with C++		4														
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5														
ENGG	1010	Academic Orientation		0	0	0										0		
CHEM	1010	Note: CHEM 1010 OR CHEM 1020 General Chemistry IA		3	3											3		
CHEM	1020	General Chemistry IB		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 General Physics I with Calculus		3	3											3		
PHYS	1312	Honors General Physics I		3														
<b>Required credits for Engineering Fundamental Courses</b>				22-27	9	6	6	0	0	0	0	0	0	0	0	21		
<b>Major Required Courses and Electives</b>																		
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) Civil and Environmental Engineering Final Year Project		6								3	3			6		
CIVL	4920	Civil and Environmental Engineering Final Year Thesis		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		
<b>Required credits for Major Requirements Courses and Electives</b>				66												66		
<b>BBA in General Business Management</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	2113	Microeconomics		3														
ECON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics		3					3							3		
ECON	3123	Macroeconomic Theory I		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								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												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 Calculus and Linear Algebra		3-4														
MATH	1012	Calculus IA		3														
MATH	1013	Calculus IB		4														
MATH	1020	Accelerated Calculus		3														
MATH	1023	Honors Calculus I		4														
<b>Required credits for School Requirements</b>				43-44												32		
<b>Major Requirements</b>																		
<b>Major Required Courses and Electives</b>																		
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					4	3	6	6	7	3		29		
<b>Required credits for Major Required Courses and Electives</b>				29												29		
<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	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 - C12	U CORE - Others		30	6	3					6	6		9		30		
CORE	C1 & C2	U CORE - English Language		6	3	3										6		
<b>Sub-total for University CORE</b>				36												36		
Term load (excl. free credits)																		
18 18 20 19 20 18 18 20 19 18																		
191##																		
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.