Curriculum Framework - Civil Engineering

Revised 2014-02-24

	Second Year		Third Year		Fourth Year	
	Fall	Winter	Fall	Winter	Fall	Winter
1 - Professional Skills	CIVL 200 - Prof. Skills		CIVL 300 - Prof. Skills		CIVL 400 - Prof. Skills	
2 - Fundamentals	CIVL 210 - Chemistry for Civil Engineers	CIVL 215 - Materials for Civil Engineers				
	CIVL 230 - Solid Mechanics I	CIVL 231 - Solid Mechanics II				
3 - Mathematics	MATH 224 - Applied Mathematics for Civil Engineers	CIVL 222- Numerical Methods for Civil Engineers				
4 - Engineering Design & Practice	APSC 200 - Engineering Design & Practice II APSC 293 - Comm.	APSC 221 - Economic and Business Practices		CIVL 360 - Civil Engineering Design & Practice III	CIVL 460 - Civil Engineering Design & Practice IV (FW)	
5 - Structures			CIVL 330 - Structural Analysis	CIVL 331 - Structural Steel Design	**CIVL 430 - Reinforced Concrete Design*	**CIVL 431 - Inf. Rehab* **CIVL 436 - Prestress*
6 - Hydraulics		CIVL 250 - Hydraulics I	CIVL 350 - Hydraulics II		**CIVL 450 - Municipal Hydraulics* **CIVL 451 - Lakes&Coastal*	**CIVL 455 - River*
7 - Geotech			CIVL 340 - Geotechnical Engineering I	CIVL 341 - Geotechnical Engineering II	**CIVL 442 - Geotechnical Design*	**CIVL 443 - Geoenvironmental Design*
8 - Enviro			CIVL 371 - Groundwater	CIVL 372 - Water and Wastewater Engineering	**CIVL 473 - Water Resource Systems*	**CIVL 471 - Subsurfurface Contamination*
9 - Advanced					**CIVL 500 - Civil Engineering Thesis (FW)*	
10 - Electives	Complementary Studies List A, B, C or D		Complementary Studies List A, B, C or D	Management Elective	7th: List 1 or List 2 (F or W)	8th: List 1 or List 2 or FREE (F or W)
					Complementary Studies List A, B, C or D (F or W)	
					** List 1 Civil Tech. Elect.* *Pick 3 of 6* *Can take 2-4*	** List 1 Civil Tech. Elect.* *Pick 3 of 6* *Can take 2-4*