Bachelor of Science in Civil Engineering Student Planning Guide: First-Year Students Starting 2025-2026 with MATH 11

Fall	Winter	Spring
MATH 11 Calculus I	MATH 12 Calculus II	MATH 13 Calculus III
CHEM 11/11L (5)	PHYS 31/31L Physics for Engineers I (5)	PHYS 32/32L Physics for Engineers II (5)
ENGR 1 &/or 1L Intro to Eng. (1 unit)*	ENGR 1 &/or 1L Intro to Eng. (1 unit)*	ENGR 1 &/or 1L Intro to Eng. (1 unit)*
Critical Thinking and Writing I	Critical Thinking and Writing II	CENG 10/10L Surveying (3/1)
CENG 7/7L Graphical Comm (3/1)	Cultures and Ideas I	Cultures and Ideas II
Fall	Winter	Spring
MATH 14 Calculus IV	AMTH 106 Differential Equations (or MATH 22)	CENG 44B Strength of Matls II (2)
PHYS 33/33L Physics for Engineers III (5)	CENG 15/15L Comp. Appl. in CE (3/1)	CENG 115/115L Materials (4/1) OR CENG 143/143L Environ Engr (3/1)**
CENG 20/20L Geology (3/1)	CENG 44A/44AL Strength of Matls (3/1)	CENG 132 Structural Analysis
CENG 41 Statics	University Core	University Core
Fall	Winter	Spring
CENG 141/141L Fluids/Hydraulics (4/1)	AMTH 112 Risk in Civil Engr (or AMTH 108 or MATH 122)	CENG 128 Engr. Econ & Business (3)
CENG 145 Transport Engr Des	CENG 121/121L Geotech Engr (4/1)	CENG 140/140L Water Resources (4/1)
CENG 148/148L Structural Syst (4/1)	CENG 125/125L Municipal Engr (3/1)	CENG 115/115L Materials (4/1) OR CENG 143/143L Environ Engr (3/1)**
University Core	CENG Tech Elective	CENG 192A Civil Engr Prof Practice (2)
		CENG Tech Elective
Fall	Winter	Spring
CENG 192B Civil Engr Prof Practice (2)	CENG 193 Civil Engr Project Design	CENG 194 Civil Design Commun. (1)
ECEN 49 Fundamentals of Elec CE	Free Elective	CENG Tech Elective
CENG Tech Elective	CENG Tech Elective	University Core
ENGL 181 Eng. Comm.	University Core	University Core
Humanities & Social	Math & Science Major T	echnical

^{*}ENGR 1 and 1L may be taken in any order and in any quarter in the first year. ENGR 1L is recommended Winter quarter to limit lab classes to two per quarter. If taken in later years, ENGR 110 is substituted for ENGR 1/1L.

^{**}CENG 115/115L and 143/143L are both required but may be taken either 2nd or 3rd year per student's preferred area of emphasis.