

Civil Engineering - Schedule Planning Grid
Effective Autumn 2023

Freshmen Year					Sophomore Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
TMATH 124	Calculus I	Fall	5			Social Science and Diversity (SSc and DIV)	Fall	5	
TCORE 101	English Comp I (W)	Fall	5		TME 221	Statics	Fall	4	
TCORE 102	Intro to Engineering	Fall	5		TCHEM 142	General Chemistry I	Fall	6	
TMATH 125	Calculus II	Winter	5		T PHYS 122	Physics II (Electromagnetism)	Winter	6	
	Social Science and Writing (SSc and W)	Winter	5		TME 222	Mechanics of Materials	Winter	4	
TPHYS 121	Physics I (Mechanics)	Winter	6		TMATH 207	Differential Equations	Winter	5	
TMATH 126	Calculus III	Spring	5		TME 223	Dynamics	Spring	4	
TCSS 141**	Programming for All+LAB	Spring	5		T PHYS 123	Physics III (Waves)	Spring	6	
Lab Science	Approved additional lab science**	Spring	6			Arts and Humanities (A&H)	Spring	5	
Junior Year					Senior Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
TCE 307	Construction Engineering	Fall	5		TCE 309	GIS for Civil Engineers	Fall	4	
TCE 347	Fluid Mechanics	Fall	5		TCE 473	Hydraulic Engr and Hydrology+LAB	Fall	5	
TCE 304	Civil Engineering Systems	Fall	3		TCE 401	Engr Project Management	Fall	3	
TME 310	Intro to Comp Modeling I	Fall	2		TCE 4XX	Elective		4	
TCE 357	Environmental Engr	Winter	5		TCE 4XX	Elective	Winter	4	
TCE 367	Geotechnical Engr+LAB	Winter	5		TME 403	Engineering Economics	Winter	2	
TCE 377	Intro to Structural Analysis	Winter	5		TCE 4XX	Elective	Winter	4	
					TCE 488	Senior Project I	Winter	2	
					TCE 305	CAD for Civil Engrs (A&H)	Winter	3	
TCE 337	Construction Materials + LAB	Spring	5		TEE 225	Engineering Ethics (W, A&H)	Spring	5	
TME 351	Engineering Prob. & Stats.	Spring	5		TCE 4XX	Elective	Spring	4	
TCE 327	Transportation Engr.	Spring	5		TCE 489	Senior Project II	Spring	5	

Note: This is an advising tool only and is subject to change. **Required prerequisites are in BOLD.** Admission is not guaranteed and is based on review of major application.

**And other programming courses as discussed with advising team

*** Additional lab science course must be approved by advising team. Cannot be chemistry or physics.

VLPA elective (spring, sophomore year):

Highly recommend spoken communication elective, where available