

Degree Civil Engineering , B.S. 23-24				
Requirement Area	Course	Course Title	Prerequisites	Units
First Semester (suggested timeline for GE; adjust as needed for major)				
A1	COMM 100	Communication		3
A2	ENGL 102	Accelerated College Writing		3
B1/B3	PHYS 135	Phys. for Scientists and Engineers I		4
B4	MATH 130	Calculus I		4
		TOTAL:		14
Second Semester (suggested timeline for GE; adjust as needed for major)				
LD Major/ Second Comp	ENGR 200	Intro to Engineering and Design		3
C2				3
	MATH 131	Calculus II		3
B2				3
	PHYS 136	Phys. for Scientists and Engineers II		4
		TOTAL:		16
Third Semester (suggested timeline for GE; adjust as needed for major)				
LD Major	ENGR 220	Statics		3
A3	PHIL 100	Introduction to Philosophy		3
B1/B3	CHEM 110	General Chemistry for Engineering		3
F		Ethnic Studies		3
	MATH 230	Calculus III		3
		TOTAL:		15
Fourth Semester (suggested timeline for GE; adjust as needed for major)				
C1				3
Code 1 / D2				3
LD Major	ENGR 215	Computational Methods in Engineering		3
LD Major	CIVE 206	Engineering Materials and Laboratory		3
	MATH 210	Linear Algebra w/Diff. Eq.		3
		TOTAL:		15
Fifth Semester (suggested timeline for GE; adjust as needed for major)				

UD-B	PHYS 308	Sustainable Energy Systems		3
Code 2/ D3****				3
UD Major	CIVE 319	Fluid Mechanics		3
C3				3
UD Major	CIVE 330	Strength of Materials		3
		TOTAL:		15
Sixth Semester (suggested timeline for GE; adjust as needed for major)				
UD Major	CMGT 201	Surveying		2
UD Major	ENGR 320	Engr Econ		3
UD Major	CIVE 361	Transportation Engineering		3
UD Major	CIVE 385	Structural Analysis		3
UD-C/Overlay				
UD Major	INDE 330	Engineering Statistics and Probability		3
		TOTAL:		17
Seventh Semester (suggested timeline for GE; adjust as needed for major)				
UD-C/Overlay				
UD Major	CIVE 410	Hydraulics and Water Resources		3
UD Major	CIVE 421	Structural Engineering Design		4
UD Major	CIVE 435	Highway and Pavement Design		3
UD Major	CIVE 350	Geotechnical Engineering		3
		TOTAL:		16
Eighth Semester				
UD Major	CIVE 430	Environmental Engineering and Sustainability		3
UD Major	CIVE 440	Construction Engineering		3
UD Major	CIVE 492	Senior Design Project		3
UD Major		Elective		3
TOTAL UNITS				120