

Howard R. Hughes College of Engineering
Department of Civil and Environmental Engineering
B.S. in Engineering (Major, Civil Engineering)

First Year - Fall	Cr First Year - Spring	Cr
CHE 115 General Chemistry [^] *	4 CEG 198A Ethics & Prof Practice	1
EGG 102, L Intro to Engineering Design*	3 CEG 206 Engineering Mechanics I*	3
ENG 101 Composition I*	3 ENG 102 Composition II*	3
GEY 101 Introduction to Geology*	4 MAT 182 Elementary Calculus II*	4
MAT 181 Elementary Calculus I*	4 PHY 180/180L Engineering Physics I*	4
	UNLV Humanities/SS elective*	3
Total	18 Total	18

First Year - Summer
 CHE 115 or GEY 101 & UNLV Hum/SS reqt

Second Year - Fall	Cr Second Year - Spring	Cr
CEG 198B Seminar and Prof Activities	0 CEG 121 Elementary Surveying	3
MAT 283 Intermediate Calculus	4 CEG 198C Seminar & Prof Activities	0
MEG 207 Engineering Mechanics II	3 CEG 346/346L Civil Engineering Materials	4
MEG 302/302L Material Mechanics & Lab*	4 ECO 190 Global Economics	3
PHY 182/182L Engineering Physics II*	4 ENG 404 Technical Writing	3
UNLV Humanities/Soc Sci Elective	3 MAT 429 Math for Engineers & Sci I	3
Total	18 Total	16

Third Year - Fall	Cr Third Year - Spring	Cr
CEG 303 Fluid Mechanics	3 EEG 291 Intro to Electrical Engineering	3
CEG 303L Fluid Mechanics Laboratory	1 or MEG 311 Engineering Thermodynamics	
CEG 334 Soil Mechanics	3 CEG 301 CAD Tools for Civil Engineering	3
CEG 334L Soil Mechanics Laboratory	1 CEG 342 Structural Analysis	3
CEG 362 Transportation Engineering	3 CEG 403 Water Resources Engineering	3
EGG 307 Engineering Economics	3 CEG 450/452 Environmental Engineering	3
HIS or POS - US/NV Constitution reqt	4 or CEG 443 Concrete Structure Design	
Total	18 Total	15

Fourth Year - Fall^{***^}	Cr Fourth Year - Spring^{***^}	Cr
CEG Professional Elective ^{^^}	3 CEG 498 Senior Design II	2
CEG 443 Concrete Structure Design	3 CEG 499 FE Exam Registration	0
or CEG 450/452 Environmental Engineering	CEG Professional Elective ^{^^}	3
CEG 497 Senior Design I	3 CEG Professional Elective ^{^^}	3
CSC / CEG Computer Elective	3 CEG Professional Elective ^{^^}	3
STA 463 Applied Statistics for Engr	3 Fine Arts Elective	3
UNLV Soc Sci / Humanities Elective	3 _____	
Total	18 Total	14

* Pre-major requirement

TOTAL CREDITS = 135

** FE Exam should be taken 1-2 semesters prior to graduation

^ Student should consider taking these courses in summer term, as 18 credits/semester is heavy load

^^ Students should submit a Graduation application one year before anticipated graduation date

^^^ Students should learn of and take prerequisites needed for upcoming elective courses