

Howard R. Hughes College of Engineering
Department of Electrical and Computer Engineering
B.S. in Electrical Engineering

First Year - Fall	Cr	First Year - Spring	Cr
CHE 115 General Chemistry*	4	CSC 117 or 119 Prog. For Engineers I*	3
ECG 100 Comp. & Logic Design I*	3	ENG 102 Composition II*	3
ENG 101 Composition I*	3	MAT 182 Elementary Calculus II*	4
ECG 190 Freshman Design*	1	PHY 180/180L Engineering Physics I*	4
MAT 181 Elementary Calculus I*	4	UNLV Requirement*	3
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Total	15	Total	17
 First Year - Summer Session 1		 First Year - Summer Session 2	
UNLV Requirement*		3 or 4 UNLV Requirement	3
 Second Year - Fall	Cr	 Second Year - Spring	Cr
CSC 218 Intro to Systems Prog*	3	MEG 311/314 Thermo/Heat Transfer	3
MAT 283 Intermediate Calculus	4	ECG 221/221L Circuits II	4
ECG 220 Circuits I*	3	ENG 404 Technical Writing	3
PHY 181/181L Engineering Physics I*	4	MAT 429 Math for Engineers & Sci I	3
UNLV Requirement	3	UNLV Requirement	3
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Total	17	Total	16
 Second Year - Summer Session 1		 Second Year - Summer Session 2	
ECO 190 Global Economics		3 PHI 242 Engineering Ethics	3
 Third Year - Fall	Cr	 Third Year - Spring	Cr
MAT 459 Elem. Complex Analysis I	3	ECG 361 Signals & Systems	3
ECG 320/320L Engr Electronics I	4	ECG Lab 1 of 5	1
ECG 310 Signals & Systems	3	ECG first of 8 areas	3
ECG 330 Engr Electromagnetics I	3	ECG Lab 2 of 5	1
UNLV Requirements	3	ECG second of 8 areas	3
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Total	16	Total	17
 Fourth Year - Fall^^	Cr	 Fourth Year - Spring^^	Cr
ECG third of 8 areas	3	ECG Lab 5 of 5	1
ECG fourth of 8 areas	3	ECG sixth of 8 areas	3
ECG Lab 3 of 5	1	ECG 490 Senior Design	3
ECG fifth of 8 areas	3	Professional Elective	3
ECG Lab 4 of 5	1	Professional Elective	3
Professional Elective	3		
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Total	14	Total	13

* Pre-major requirement

TOTAL CREDITS = 131-132

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