

NCSU Electrical Engineering

(Unofficial Community Colleges to NCSU Curriculum)

Degree Earned: NCSU Bachelor of Science in Electrical Engineering Transfer GPA = 3.5
 Effective: 2018 Grey Highlighted Courses – Take at NCSU

FRESHMAN YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
CHM 151	CH 101 Chemistry -- A Molecular Science	3	EGR 212	ECE 109 Intro to Computer Systems	3
CHM 151	CH 102 General Chemistry Lab ¹	1	MAT 272	MA 241 Calculus II ¹	4
EGR 150	E 101 Intro to Engr & Problem Solving	1	PHY 251	PY 205 Physics for Engr & Science I PY 206 Physics for Engr & Science I Lab	3 1
NCSU	E 115 Intro to Computing Environment	1	NCSU	E102 Engineering in the 21 st Century	2
ENG 111 & ENG 112	ENG 101 Academic Writing & Research	4	PED 110	Health and Exercise Studies Course	1
MAT 271	MA 141 Calculus I ¹	4			
	GEP Requirement*	3			
17			14		

SOPHOMORE YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NCSU	ECE 200 Intro to ECE Lab ²	4	COM 231	COM 110 Public Speaking	3
NCSU	ECE 209 Computer Systems Programming	3	NCSU	ECE 211 Electric Circuits	4
MAT 273	MA 242 Calculus III	4	NCSU	ECE 212 Fundamentals of Logic Design	3
PHY 252	PY 208 Physics for Engr & Science II PY 209 Physics for Engr & Science II Lab	3 1	NCSU	ECE 220 Analytical Foundations of ECE	3
				GEP Requirement*	3
15			16		

JUNIOR YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NCSU	ECE 301 Linear Systems	3	NCSU	ECE 303 Electromagnetic Fields	3
NCSU	ECE 302 Intro to Microelectronics	4	NCSU	ECE 380 or 381 or 383	1
NCSU	ECE 3XX ECE Foundations Elective	3	NCSU	ECE 3XX ECE Foundations Elective	3
NCSU	ST 371 Intro to Prob & Dist Theory	3	NCSU	Open/Technical Elective ⁷	3
PED 110	Health and Exercise Studies Course	1	NCSU	ENG 331 Comm for Engr & Technology	3
				GEP Requirement	3
14			16		

SENIOR YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NCSU	ECE 484 ECC Senior Design Project I	3	NCSU	ECE 485 ECE Senior Design Project II	3
NCSU	ECE 4XX EE Elective	3	NCSU	ECE 4XX Elective	3
NCSU	ECE 4XX EE Elective	3	NCSU	ECE 4XX Elective	3
NCSU	Open/Technical Elective	3		GEP Requirement	3
	GEP Requirement	3		GEP Requirement	3
15			15		

NCSU - Minimum Credit Hours Required for Graduation in Electrical Engineering:

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