

## NCSU Computer Engineering

(Unofficial Community Colleges to NCSU Curriculum)

Degree Earned: NCSU Bachelor of Science in Computer Engineering

Transfer GPA = 3.5

Effective: 2013

Grey Highlighted Courses – Take at NCSU

### FRESHMAN YEAR

Fall Semester		Credit	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	MAT 272	MA 241 Calculus II	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	ECO 251	EC 205 Economics (EC 201/205, ARE 201) (GEP Social Sciences)	3
ENG 111 & ENG 112	ENG 101 Academic Writing & Research	4	PED 110	HESF 10* Health and Exercise Studies Fitness Course	1
MAT 271	MA 141 Calculus I	4			
	GEP Requirement	3			
<b>17</b>			<b>15</b>		

### SOPHOMORE YEAR

Fall Semester		Credit	Spring Semester		Credit
NCSU	ECE 200 Intro to ECE Lab	4	COM 231	COM 110 Public Speaking	3
NCSU	ECE 209 Computer Systems Programming	3	NCSU	CSC 226 Discrete Mathematics	3
MAT 273	MA 242 Calculus III	4	NCSU	ECE 211 Electric Circuits	4
PHY 252	PY 208 Physics for Engr & Science II PY 209 Physics for Engr & Science II Lab	3 1	NCSU	ECE 212 Fundamentals of Logic Design	3
			NCSU	ECE 220 Analytical Foundations of ECE	3
<b>15</b>			<b>16</b>		

### JUNIOR YEAR

Fall Semester		Credit	Spring Semester		Credit
NCSU	ECE 301 Linear Systems	3	NCSU	ECE 309 Object-Oriented Programming	3
NCSU	ECE 302 Intro to Microelectronics	4	NCSU	ECE 380 or 381 or 383 <sup>3</sup> Engineering Profession for EE or CPE or Entrepreneurship	1
NCSU	ECE 306 Intro to Embedded Systems	3	NCSU	ECE 310 Design of Complex Digital Systems	3
	GEP Requirement	3	NCSU	Open/Tech Elective	3
NCSU	ST 371 Intro to Prob and Dist Theory	3	NCSU	ENG 331 Comm for Engr & Tech	3
			PED 110	HES Health and Exercise Studies Course	1
<b>16</b>			<b>14</b>		

### SENIOR YEAR

Fall Semester		Credit	Spring Semester		Credit
NCSU	ECE 484 Senior Design Project I	3	NCSU	ECE 485 Senior CPE Design Project II	3
NCSU	ECE 4XX CPE Elective	3	NCSU	ECE 4XX ECE Elective	3
NCSU	ECE 4XX CPE Elective	3	NCSU	ECE 4XX ECE Elective	3
	GEP Requirement	3	HUM 110	GEP Requirement	3
	GEP Requirement	3		GEP Requirement	2-3
<b>15</b>			<b>14-15</b>		