NC Community College Four-Year Pathway Plan

Schedule for Full-Time Students
Pursuing AS Degree & transfer into Computer Engineering (BS) at NCSU.
(Placed Out Of All Developmental Courses)

North Carolina Community College classes are listed below in bold with the NC State degree requirements fulfilled listed next to the classes.

North Carolina State University **strongly recommends** students complete their Associate's degree prior to transferring to NCSU. Pathways are structured for students who have completed all requirements for their Associate's degree and qualify for the CAA.
This degree pathway requires 3 summer courses at NC State after completion of the AS degree. Please see the NC State schedule of courses for more details.

NC COMMUNITY COLLEGE FIRST YEAR					
Fall Semester	Credit		**Spring Semester**		Credit
ENG 111 - ENG 101: Academic Writing and Research	3		ENG 112 - GEP Requirement		3
MAT 271 – MA 141, Calculus I	4		MAT 272 – MA 241, Calculus II		4
CHM 151 – CH 101: General Chemistry I, CH 102: General Chemistry I Lab	4		DFT 170 – GC 120, GEP Requirement		3
ECO 251 – EC 201, Departmental Economics Requirement	3		PHY 251 – PY 205 & PY 206		4
ACA 122 - Free Elective	1		EGR 150 – Departmental Substitution for E 101		2
TOTAL CREDIT HOURS	15		TOTAL CREDIT HOURS		16

Students must take ACA 122 in the first or second semester.

NC COMMUNITY COLLEGE SECOND YEAR					
Fall Semester	Credit		**Spring Semester**		Credit
PHY 252 – PY 208 & PY 209	4		PSY 150 – PSY 200, GEP Social Science		3
ENG 231 – ENG 265, GEP Humanities	3		PHI 215 – PHI 205, GEP Humanities		3
MAT 273 – MA 242, Calculus III	4		MAT 285 – Departmental Substitute for ECE 220		3
COM 231 – COM 110, Public Speaking	3		MAT 280 – Departmental Substitute for ECE 220		3
HUM 110 – STS 214, GEP Interdisciplinary Perspectives	3		TOTAL CREDIT HOURS		12
TOTAL CREDIT HOURS	17				

 THIS SHEET IS FOR ADVISING PURPOSES ONLY. Students should work with their Advisor to determine course selections that will result in the greatest transferrable credit, for the intended program, upon transfer to the four-year school.
Note 4-semester outline based upon no pre-requisites classes required.

- Students should seek academic advising to determine the best courses and sequence to meet their educational goals and degree requirements.
- Following the Pathway to Degree does not guarantee admission to NC State University or guarantee an AS degree or BS degree will be conferred.
- Please refer to NC State Undergraduate Admissions for more information on admission to NC State and the transfer of credits to NC State: http://admissions.ncsu.edu/transfer-students/

NC STATE UNIVERSITY

Schedule of Courses for the Computer Engineering (BS) (14CPEBS)

Before applying please consult the Transfer Admission Review Standards for admission into the College of Engineering.

***Students will need to complete E 115, ECE 109 & ECE 200 (8 hours total credit) at NC State summer school before matriculating in the Fall. ***

NC STATE JUNIOR YEAR				
Fall Semester	**Credit**		**Spring Semester**	**Credit**
ECE 209: Computer Systems Programming	3		ECE 301: Linear Systems	3
ECE 212: Electric Circuits	3		ECE 302: Microelectronics	3
CSC 226: Discrete MAthematics	3		ECE 306: Embedded Systems	3
ECE 211: Fundamentals of Logic Design	4		ECE 309: Object-Oriented Programming	3
ENG 331: Communication for Engineering & Technology	3		ECE 380, ECE 381 or ECE 383	1
TOTAL CREDIT HOURS	**16**		**TOTAL CREDIT HOURS**	**13**

NC STATE SENIOR YEAR				
Fall Semester	**Credit**		**Spring Semester**	**Credit**
ECE 484: Senior Design Project I	3		ECE 485: Senior Design Project II	3
ECE 310: Design of Complex Digital Systems	3		ECE 4**	3
Open/Tech Elective	3		ECE 4**	3
ECE 4**	3		ECE 4**	3
ST 371: Intro to Probability and Distribution Theory	3		**TOTAL CREDIT HOURS**	**12**
TOTAL CREDIT HOURS	**15**			

Minimum Credit Hours Required for Graduation:	122
Hours Remaining in NC State Degree:	64