NC Community College Four-Year Pathway Plan

Schedule for Full-Time Students
Pursuing AS Degree & transfer into Construction Engineering-Mechanical Construction (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, Departmental substitution for TDE 220	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		**REL 110** – GEP Requirement	3
ENG 231 – ENG 265, GEP Humanities	3		**COM 231 –** Departmental Substitution, Advanced Communication	3
MAT 273 – MA 242, Calculus III	4		**EGR 220 –** MAE 206, Departmental substitution for CE 214	3
HUM 110 – STS 214, GEP Interdisciplinary Perspectives	3		**PSY 150 –** PSY 200, GEP Social Sciences	3
TOTAL CREDIT HOURS	**14**		**MAT 285 –** MA 341: Differential Equations	3
			TOTAL CREDIT HOURS	**15**

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 Construction Engineering-Mechanical (BS) (14CONBS-14CONMEC)

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

*****Students will need to complete ST 370, CE 313 & CE 382 (9 hours total credit) at NC State summer school before matriculating in the Fall. *****

NC STATE JUNIOR YEAR

Fall Semester	Credit		Spring Semester	Credit
E 115: Intro to Computing Environments	1		MAE 302: Numerical Applications of Differential Equations	3
MA 302: Numerical Applications of Differential Equations	1		CE 365: Construciton Methods & Management	4
MSE 200: Mechanical Properties of Structural Materials	3		CE 367: Mechanical/Electrical Systems in Buildings	3
MAE 201: Thermodynamics I	3		MAE 305: Mechanical Enginerring Lab I	1
CSC 111: Python	3		CE 390: Engineering Economics	1
CE 263: Intro to Construciton Engineering	3		MAE 310: Heat Trasnfer Fundamentals	3
TOTAL CREDIT HOURS	**14**		**TOTAL CREDIT HOURS**	**15**

NC STATE SENIOR YEAR

Fall Semester	Credit		Spring Semester	Credit
CE Elective	3		CE 464: Legal Aspects on Contracting	3
ACC 200 or MIE 330	3		CE 469: Construction Engineering Project	3
ECE 331: Principles of Electrical Engineering	3		MAE 403: Air Conditioning	3
CE 463: Construciton Estimating, Planning & Control	3		General Engineering Elective	4
MAE 406: Energy Conservation in Industry	3		MGMT/Science Elective	3
TOTAL CREDIT HOURS	**15**		**TOTAL CREDIT HOURS**	**16**

Minimum Credit Hours Required for Graduation:	128
Hours Remaining in NC State Degree:	69