NC Community College Four-Year Pathway Plan

Schedule for Full-Time Students
Pursuing AS Degree & transfer into Environmental 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 a 6th semester at NC State. 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		**BIO 111 –** BIO 183: Cellular/Molecular Biology	4
			PHY 251 – PY 205 & PY 206	4
ECO 251 – EC 201, Departmental Economics Requirement	3		**EGR 150 –** Departmental Substitution for E 101	2
ACA 122 - Free Elective	1		**TOTAL CREDIT HOURS**	**17**
TOTAL CREDIT HOURS	**15**			

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
MAT 273 – MA 242, Calculus III	4		**COM 231 –** COM Elective	3
CH 152 – CH 201/202: Quantitative Chemistry & Lab	4		**MA 285 –** MA 341: Differential Equations	3
HUM 110 – STS 214, GEP Interdisciplinary Perspectives	3		**EGR 220 –** MAE 206, Departmental substitution for CE 214	3
TOTAL CREDIT HOURS	**15**		**ENG 231 –** ENG 265, GEP Humanities	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 Environmental Engineering (BS) (14ENEBS)

Before applying please consult the Transfer Admission Review Standards for admission into the College of Engineering.
*****This degree pathway requires a 6th semester at NC State. The department recommends adding a minor or taking additional, relevant courses if needed to maintain full-time status.*****

NC STATE JUNIOR YEAR

Fall Semester	Credit		Spring Semester	Credit
CE 373: Fundamentals of Environemental Engineering	3		CE 313: Mechanics of Solids	3
CHE 205: Chemical Process Principals	4		MEA 323: Earth Sytem Chemistry	3
GIS 410 or TDE 220	3		PS 320 or PS 336	3
E 115: Intro to Computing Environements	1		CSC 111: Python	3
TOTAL CREDIT HOURS	**11**		**TOTAL CREDIT HOURS**	**12**

NC STATE SENIOR YEAR

Fall Semester	Credit		Spring Semester	Credit
CE 378: Environmental Chemistry & Microbiology	4		CE 383: Hydrology & Urban Water Systems	3
CE 390: Engineering Economics	1		CE 342: Engineering Behavior of foundations & Soils	4
CE 382: Hydraulics	3		CE 339: Civil Engineering Systems	3
ST 370: Probability & Statistics for Engineers	3		MAE 201: Thermodynamics I	3
CE 381: Hydraulics Lab	1		**TOTAL CREDIT HOURS**	**13**
TOTAL CREDIT HOURS	**12**			

Minimum Credit Hours Required for Graduation:	see
Hours Remaining in NC State Degree:	below

NC STATE 5th YEAR				
Fall Semester	**Credit**		**Spring Semester**	**Credit**
CE 488: Water Resource Engineering	3		CE 477: Principles of Solid Waste Engineering	3
CE 476 or 479:	3		CE 481: Environmental Engineering Project	3
CE 484: Water Supply & Waste Water Systems	3		EE Elective	3
TOTAL CREDIT HOURS	**9**		**TOTAL CREDIT HOURS**	**9**

Minimum Credit Hours Required for Graduation:	127
Hours Remaining in NC State Degree:	66