

NCSU Environmental Engineering

(Unofficial Community Colleges to NCSU Curriculum)

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

FRESHMAN YEAR

Fall Semester		Credit	Spring Semester		Credit
CHM 151	CH 101 Chemistry --A Molecular Science	3	CHM 152	CH 201 Chemistry – A Quantitative Science	3
CHM 151	CH 102 General Chemistry Lab	1	ECO 251	EC 205 Economics (GEP Social Sciences) ¹	3
EGR 150	E 101 Intro to Engr & Problem Solving	1	MAT 272	MA 241 Calculus II	4
NCSU	E 115 Intro to Computing Environment	1	PHY 251	PY 205 Physics for Engr & Science I PY 206 Physics for Engr & Science I Lab	3 1
ENG 111 & ENG 112	ENG 101 Composition and Rhetoric	4	NCSU	E 102 Engineering in the 21 st Century(GEP) ¹	2
MAT 271	MA 141 Calculus I	4			
PED 110	Health and Exercise Studies Course ¹	1			
15			16		

SOPHOMORE YEAR

Fall Semester		Credit	Spring Semester		Credit
EGR 220	CE 214 Engr Mechanics – Statics	3	BIO 111	BIO 183 Intro Biology: Cellular & Molecular Bio II	4
NCSU	CE 250 Intro to Sustainable Infrastructure	3	NCSU	CE 282 Hydraulics	3
NCSU	CHE 205 Chemistry Process Principles	4	NCSU	MEA 323 Earth System Chemistry	3
MAT 273	MA 242 Calculus III	4	NCSU	CE 373 Fundamentals of Environmental Engr	3
CSC 134 or CSC 151	CSC 111 Intro to Computing – Python	3	MAT 285	MA 341 Applied Differential Equations I	3
17			16		

JUNIOR YEAR

Fall Semester		Credit	Spring Semester		Credit
NCSU	CE 378 Enviro.I Chem and Microbiology	4	NCSU	CE 381 Hydraulics Sys Meas Lab	1
PED 110	Health Living Course ¹	1	NCSU	CE 383 Hydrology & Urban Water Systems	3
DFT 170	Graphics/Communication Elective ²	3		GEP Requirement* (Humanities)	3
COM 231	ENG 331 Comm for Engr & Tech or COM 110	3	NCSU	CE 339 Civil Engineering Systems	3
PHY 252	PY 208 Physics for Engr & Science II	3	NCSU	MAE 301 Engr Thermodynamics I	3
NCSU	ST 370 Probability & Statistics for Engr	3	NCSU	PS 320 US Environmental Law and Politics or PS 336 Global Environmental Policies (GEP Soc Sci Requirement*)	3
17			16		

SENIOR YEAR

Fall Semester		Credit	Spring Semester		Credit
NCSU	CE 488 Water Resources Engineering	3	NCSU	CE 477 Solid Waste Engineering	3
NCSU	CE 476 Air Pollution Control or CE 479 Air Quality	3	NCSU	CE 481 Environmental Engr Project	3
NCSU	CE 484 Water Supply & Waste Water Systems	3	NCSU	ENE Elective ³	3
	ENE Elective	3	NCSU	ENE Elective ³	3
	GEP Requirement*	3		GEP Requirement*	3
15			15		

NCSU - Minimum Credit Hours Required for Graduation in NCSU Environmental Engineering: 127