

North Carolina State University

Environmental Engineering Curriculum (Effective 01-01-2016)

2 + 2 Program with UNC Asheville

FALL SEMESTER

SPRING SEMESTER

Freshman Year (UNC Asheville)

MATH 191	Calculus I	4	MATH 192	Calculus II	4
LANG 120	Academic Writing & Crit Inquiry	4	PHYS 221	Physics I	4
E 101	Intro to Engr & Prob Solv	1	CHEM 233	Fndns Inorganic Chemistry	3
CHEM 111	General Chemistry Lab	1	XXX	GEP Course	3
CHEM 132	General Chemistry	3	XXX	GEP Course	<u>3</u>
ECON 102	Prin of Microeconomics (GEP)	<u>3</u>			<u>17</u>
		16			

Sophomore Year (UNC Asheville)

MATH 291	Calculus III	4	MATH 394	Differential Equations	3
MAE 206	<i>Engineering Statics</i>	3	MAE 214	<i>Solid Mechanics</i>	3
CSCI 183	Intro Prog: Numerical Applic	3	BIOL 136	Prin of Cell & Molec Biology	4
PHYS 222	Physics II	4	STAT 225	Intro to Calc-based Stats	<u>4+</u>
XXX	GEP Course	<u>3</u>			<u>14</u>
		17			

Junior Year (NC State)

CE 373	Fund of Environ Engr	3	CE 381	Hydraulic Sys Meas Lab	1
CE 378	Environ Chem & MicroBiology	4	CE 383	Hydrology & Urban Water Sys	3
CE 339	Civil Engineering Systems	3	CE 484	Water Sup & Waste Water Sys	3
CE 382	Hydraulics	3	XXX	COM 110 or GC 120 (AB: GEP)	3
CHE 205	Chemical Process Principles	4	MEA 323	Earth System Chemistry	3
CE 390	Engineering Economics	1	PS 320a	US Environ Law & Politics GEP	<u>3</u>
E 115	Intro to Computing Environ	<u>1</u>			<u>16</u>
		19			

Senior Year (NC State)

CE 476b	Air Pollution Control	3	CE 477	Prin of Solid Waste Engr	3
CE 488	Water Resources Engr	3	CE 481	Enviro Engr Project	3
CE 342	Engr Behavior of Soils & Fndns	4	XXX	Environ Engr Elective	3
MAE 201	Engr Thermodynamics I	3	XXX	GEP Course	3
XXX	Graphics/Communi Elective	3	HESF XXX	Health Exercise Studies	<u>1</u>
HES XXX	Health Exercise Studies	<u>1</u>			<u>13</u>
		17			

Total hours shown: 129

Italics indicates the course is received from NC State by distance education technology.

+ This course has a one-credit excess over NC State requirements.

a or PS 336(3) b or CE 479 (3)

The total number of required credits (129) exceeds the NC State requirement (128) by one.

8/17