

North Carolina State University

Chemical Engineering Curriculum (Effective 01-01-2013)

1 + 3 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	ECON	102	Prin of Microeconomics (GEP)	3
	XXX	GEP Course	3	PHYS	221	Physics I	4
CHEM	111	General Chemistry Lab	1	CHEM	233	Fund of Inorganic Chemistry	3
CHEM	132	General Chemistry	3	CHEM	145	Quant Chemistry Lab	<u>1</u>
E	101	Intro to Engr & Prob Solv	<u>1</u>				<u>15</u>
			16				

Sophomore Year (NC State)

MA	242	Calculus III	4	MA	341	Appl Differential Equations I	3
CHE	205	Chemical Process Principles	4	CH	223	Organic Chemistry II	3
CH	221	Organic Chemistry I	3	CH	224	Organic Chemistry II Lab	1
CH	222	Organic Chemistry I Lab	1	CHE	225	Intro Chemical Engr Analy	3
	XXX	GEP Course	3	PY	208	Physics for Engrs & Sci II	3
HES	XXX	Health Exercise Studies	1	PY	209	Physics for Engrs & Sci II Lab	1
E	115	Intro to Computing Environ	<u>1</u>	XXX		GEP Course	<u>3</u>
			17				<u>17</u>

Junior Year (NC State)

CH	315	Quantitative Analysis	3	CH	XXX	Chemistry Elective	4
CHE	311	Transport Processes I	3	CHE	312	Transport Processes II	3
CHE	315	Chem Proc Thermodynamics	3	CHE	316	Thermo of Chem/Phase Equil	3
ECE	331a	Prin of Electrical Engr	3	CHE	330	Chemical Engr Lab I	4
CH	316	Quantitative Analysis Lab	1	XXX		Free Elective	<u>3</u>
CHE	395	Prof Development Seminar	<u>1</u>				<u>17</u>
			14				

Senior Year (NC State)

CHE	331	Chemical Engr Lab II	2	CHE	435	Proc Sys Analysis & Control	3
CHE	446	Design & Analy Chem React	3	CHE	451	Chem Engr Design II	3
CHE	450	Chem Engr Design I	3	XXX		Technical Elective	3
	XXX	Technical Elective	3	XXX		GEP Course	3
	XXX	GEP Course	<u>3</u>	XXX		GEP Course	3
			14	HESF	XXX	Health Exercise Studies	<u>1</u>
							<u>16</u>

Total hours shown: 126

Italics indicates the course is received from NC State by distance education technology (none).

a or MSE 201 (3)