

North Carolina State University

Construction Engineering Curriculum (Effective 08-01-2017)

General Construction

2 + 2 Program with UNCA

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
E 101	Intro to Engr & Prob Solv	1	CSCI 183	Intro Prog: Numerical Applic	3
CHEM 111	General Chemistry Lab	1	PHYS 221	Physics I	4
CHEM 132	General Chemistry	<u>3</u>	XXX	GEP Course	<u>3</u>
		13			17

Sophomore Year (UNC Asheville)

MATH 291	Calculus III	4	ENVR 105	Physical Geology	4
PHYS 222	Physics II	4+	MAE 214	<i>Solid Mechanics</i>	3
MSE 201	Struc & Prop of Engr Matls	3	XXX	GEP Course	3
MAE 206	<i>Engineering Statics</i>	3	XXX	GEP Course	3
DFT 170*	Engr Graphics (AB: GEP Elec)	<u>3</u>	XXX	GEP Course	<u>3</u>
		17			16

Junior Year (NCSU)

CE 263	Intro to Construction Engr	3	CE 301	Civil Engr Surv & Geomatics	3
CE 365	Construction Equip't & Meth	3	E 102	Engr in 21 st Century (GEP)	2
CE 332	Materials of Construction	3	CE 327	Reinforced Concrete Design	3
CE 382	Hydraulics	3	CE 342	Engr Behav Soils & Foundns	4
CE 463	Const Est, Plan'g & Control	3	CE 367	Mech & Elec Sys in Buildings	3
E 115	Intro to Computing Environ	<u>1</u>	HES XXX	Health Exercise Studies	<u>1</u>
		16			16

Senior Year (NCSU)

ENG 331a	Commun for Engrs & Tech	3	ACC 210	Intro to Managerial Acct'g	3
CE 426	Structural Steel Design	3	CE 469	Construct Engr Project	3
CE 464	Legal Aspects of Contracting	3	XXX	Basic Science Elective	3
CE 466	Building Construction Engr	3	XXX	GEP Course (SS: Mgmt Sci Elec)	3
ECE 331b	Prin of Electrical Engr	3	HESF XXX	Health Exercise Studies	1
CE	CE lab Elective	<u>3</u>	ST 370	Prob & Stats for Engineers	<u>3</u>
		18			16

Total hours shown: 129

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

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

* Available at AB Tech

a or COM 110(3) b or MAE 201(3)

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