

NCSU Construction Engineering and Management

(Unofficial Community Colleges to NCSU Curriculum)

Degree Earned: NCSU BS in Construction Engineering & Management – General Construction Concentration Transfer GPA = 3.5
 Effective: 2018 Grey Highlighted Courses – Take at NCSU

FRESHMAN YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
CHM 151	CH 101 Chemistry -- A Molecular Science	3	NCSU	E 102 Engineering in the 21 st Century(GEP) ¹	2
CHM 151	CH 102 General Chemistry Lab ⁷	1	ECO 251	EC 205 Economics ¹ (GEP Social Sciences)	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 205 Physics for Engr & Science I Lab	4
ENG 111 & ENG 112	ENG 101 Academic Writing & Research	4		GEP Requirement ¹	3
MAT 271	MA 141 Calculus I	4			
PED 110	HESF 1XX Health and Exercise Studies Course	1			
15					16

SOPHOMORE YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
EGR 220	CE 214 Engr Mech – Statics	3	NCSU	CE 225 Mechanics of Solids	3
DFT 170	TDE 220 Civil Engineering Graphios	3	PHY 252	PY 208 Physics for Engr & Science II	3
MAT 273	MA 242 Calculus III	4	NCSU	CE 263 Introduction to Construction Engr (F)	3
CSC 134 or CSC 151	CSC 111 Intro to Comp PYTHON	3	NCSU	ST 370 Pro & Stat for Engr	3
NCSU	CE Lab Elective ⁴	3	NCSU	CE 365 Construction Equip't & Methods	3
			PED 110	HESF 1XX Health and Exercise Studies Course	1
16					16

JUNIOR YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NCSU	CE 301 Civil Engr Surveying & Geomatics	3	NCSU	CE 332 Materials of Construction	3
NCSU	CE 327 Reinforced Concrete Design	3	NCSU	CE 342 Engr. Behav of Soils and Foundations	4
NCSU	CE 282 Hydraulics	3	NCSU	CE 367 Mech & Elect Systems in Bldgs	3
NCSU	MSE 200 Mech Prop of Structural Materials	3	GEL 111	MEA 101 and MEA 110	4
NCSU	CE 463 Const. Est. Planning and Cont. (F)	3		GEP Requirement ¹	3
COM 231	ENG 331 Comm for Engr & Tech or COM 110	3			
18					17

SENIOR YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NCSU	CE 426 Structural Steel Designs	3	NCSU	CE 464 Legal Aspects of Contracting	3
NCSU	CE 466 Building Construction Engineering	3	NCSU	CE 469 Constr Engr Project	3
NCSU	Engineering Elective	3	NCSU	Management Science Elective ^{1,2} (GEP)	3
NCSU	ACC 210 Intro to Managerial Accounting	3		GEP Requirement ¹	3
BIO 111/CHM 152	Basic Science Elective ³	3		GEP Requirement ¹	3
15					15

NCSU - Minimum Credit Hours Required for Graduation in Construction Engineering & Management - Gen. Constr 128