

# CONSTRUCTION ENGINEERING MANAGEMENT PROGRAM

2017-2018

## PRE-ENGINEERING PROGRAM

Note: Course schedule and offerings subject to change. Check OSU Online Schedule of Classes when registering.

### FRESHMAN

### SOPHOMORE

Cr.	FRESHMAN			SOPHOMORE			Cr.
	Fall	Winter	Spring	Fall	Winter	Spring	
1							1
2	MTH 251 <sup>E</sup> Differential Calculus F,W,S	MTH 252 <sup>E</sup> Integral Calculus F,W,S	PH 211 <sup>E</sup> Gen Physics/Calc F,W,S	PH 212 <sup>E</sup> Gen Physics/Calc F,W,S	Biological Science F,W,S	WR 327 Technical Writing F,W,S	2
3							3
4							4
5							5
6	CH 201 <sup>E</sup> Chem for Engrs F,W	ECON 201 Intro to Microecon Perspective-- SP&I F,W,S	ECON 202 Intro to Macroecon Perspective-- SP&I F,W,S	CCE 201 <sup>E</sup> Graphics & Design F,W	CCE 203 Virtual Dsgn & Constr W,S	**CEM 263 Plane Surveying	6
7							7
8	**CCE 101 CCE Orientation	CCE 102 <sup>E</sup> Problem Solving & Technology	COMM 111/114 <sup>E</sup> Sp Communication F,W,S	BA 215 <sup>E</sup> Fundamentals of Accounting F,W,S	ENGR 211 <sup>E</sup> Statics F,W,S	ENGR 213 <sup>E</sup> Strength of Materials F,W,S	8
9							9
10	WR 121 <sup>E</sup> English Composition F,W,S	# HHS 231 -- Lifetime Fitness & Health F,W,S	# Perspective -- Cultural Diversity F,W,S	ST 314 <sup>E</sup> Intro To Statistics F,W,S	BA 230 Business Law F,W,S	ENGR 390 <sup>E</sup> Engineering Econ F,W,S	10
11							11
12	# Perspective -- Lit. & Arts F,W,S	#PAC or HHS 241-248				PHL 205 - Ethics Perspective -- Western Culture F,W,S	12
13							13
14							14
15							15
16							16

<sup>a</sup>Enrollment term is limited by alphabetical sectioning:

	Fall	Winter	Spring
<b>WR 121</b>	A-G	H-N	O-Z

Biological science classes with labs & without prerequisites:

Fall	Winter	Spring
ANS 121	ANS 121	ANS 121
BI 101	BI 102	BI 103
MB 230	MB 230	MB 230
SUS 102	SUS 102	SUS 102
FES 240	SOIL 205 & 206	FES 240
		SOIL 205 & 206
	*CSS 205 Ecampus only (F,W,S)	BOT 101

<sup>E</sup>Required by College of Engineering for entry into the Pro Program  
F, W, S = Terms in which course is offered

\*\* Prerequisites for Professional Program courses

# Courses may be taken for S/U grade.

## PROFESSIONAL PROGRAM

### JUNIOR

### SENIOR

Cr.	JUNIOR			SENIOR			Cr.
	Fall	Winter	Spring	Fall	Winter	Spring	
1	CCE 321 Civil & Construction Engineering Materials F,S	FE 315 Soil Engineering (or CE 372)	CEM 381 Structures I	CEM 383 Structures II	CE 427 Temp. Construction Structures W,S	MGMT 453 Human Resources Management F,W,S	1
2							2
3							3
4							4
5	CEM 442 Building Const Management	CEM 311 Hydraulics W,S	CEM 341 Construction Estimating I	CEM 342 Construction Estimating II	Upper Division College of Business Elective F,W,S	Upper Div. or Grad. Col. of Engrg. Elect. F, W, S	5
6							6
7	CEM 471 Electrical Facilities	CEM 472 Mechanical Facilities	CE 424 Contracts & Specifications W,S	CEM 343 Construction Planning & Scheduling	CEM 443 <sup>^</sup> Project Management for Construction W,S	CEM 326 Safety & Health Stand. & Laws	7
8							8
9							9
10							10
11	CEM 407- Seminar	CE 365 Highway Location & Design	CEM 441 Heavy Civil Const Management W, S	CEM 431(F) or 432(S) Obtain. Contr./Con. Proj. Plan.	BA 351 Managing Organizations F,W,S	# Synthesis -- Sci, Tech, & Society F,W,S	11
12							12
13	# Difference, Power, & Discrimination F,W,S					# Synthesis -- Contemp Global Issues F,W,S	13
14							14
15							15
16							16

<sup>^</sup> Writing Intensive Course

Admission to Professional Program required to register for these classes

Total credits required for BS CEM = 180 credit hours (average load = 15 credits per term)

Note: If a course has no terms listed below it (e.g. F,W,S), it is only taught in the term it appears in.