

# CONSTRUCTION ENGINEERING MANAGEMENT PROGRAM

2016-2017

## PRE-ENGINEERING PROGRAM

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

### FRESHMAN

Cr.	Fall	Winter	Spring
1	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
2			
3			
4			
5	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
6			
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
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
11			
12	# Perspective -- Lit. & Arts F,W,S	Free Elective	Free Elective
13			
14			
15			
16			

### SOPHOMORE

Cr.	Fall	Winter	Spring	Cr.		
1	PH 212 <sup>E</sup> Gen Physics/Calc F,W,S	Biological Science F,W,S	WR 327 Technical Writing F,W,S	1		
2						2
3						3
4	CCE 201 <sup>E</sup> Graphics & Design F,W	**CCE 203 Virtual Dsgn & Constr W,S	**CEM 263 Plane Surveying	4		
5						5
6	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	6		
7						7
8	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	8		
9						9
10			PHL 205 - Ethics Perspective -- Western Culture F,W,S	10		
11				11		
12				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
		BOT 101

\*CSS 205 Ecampus only (F,W,S)

E 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

Cr.	Fall	Winter	Spring
1	CCE 321 Civil & Construction Engineering Materials F,S	FE 315 Soil Engineering (or CE 372)	CEM 381 Structures I
2			
3			
4			
5	CEM 442 Building Const Management	CEM 311 Hydraulics W,S	CEM 341 Construction Estimating I
6			
7			
8	CEM 471 Electrical Facilities	CEM 472 Mechanical Facilities	CE 424 Contracts & Specifications W,S
9			
10	CEM 407- Seminar	CE 365 Highway Location & Design	CEM 441 Heavy Civil Const Management W,S
11			
12	# Difference, Power, & Discrimination F,W,S	Free Elective	Free Elective
13			
14			
15			
16			

### SENIOR

Cr.	Fall	Winter	Spring	Cr.		
1	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 342 Construction Estimating II	Upper Division College of Business Elective F,W,S	H 385 Safety & Health Standards & Laws	5		
6						6
7	CEM 343 Construction Planning & Scheduling	CEM 443 <sup>^</sup> Project Management for Construction W,S	# Synthesis -- Contemp Global Issues F,W,S	7		
8						8
9	COMM Elective	BA 351 Managing Organizations F,W,S	# Synthesis -- Sci, Tech, & Society F,W,S	9		
10						10
11				11		
12				12		
13				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.