

CIVIL ENGINEERING 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 ^E Differential Calculus F,W,S	MTH 252 ^E Integral Calculus F,W,S	MTH 254 ^E Vector Calculus I F,W,S
2			
3			
4			
5	CH 201 ^E Chem for Engrs F,W	CH 202 Chem for Engrs W,S	PH 211 ^E Gen Physics/Calc F,W,S
6			
7			
8	CCE 101 CCE Orientation	CCE 102 ^E Problem Solving & Technology	ECON 201 Intro to Microecon Perspectives- SP&I F,W,S
9			
10	WR 121 ^E English Composition F,W,S	COMM 111/114 ^E Sp Communication F,W,S	CH 205 - LAB W,S
11			
12	# Perspectives - Literature & Arts F,W,S	#PAC, HHS 241 or MS 130	# HHS 231 - Lifetime Fitness & Health F,W,S
13			
14			
15			
16			

SOPHOMORE

Cr.	Fall	Winter	Spring	Cr.
1	MTH 306 ^E Matrix & Power Series Methods F,W,S	MTH 256 ^E Applied Differential Equations F,W,S	WR 327 Technical Writing F,W,S	1
2				
3				
4	PH 212 ^E Gen Physics/Calc F,W,S	PH 213 ^E Gen Physics/Calc F,W,S	Biological Science w/Lab F,W,S	4
5				
6				
7				
8	ENGR 211 ^E Statics F,W,S	ENGR 213 ^E Strength of Materials F,W,S	**ENGR 212 Dynamics F,W,S	8
9				
10	CCE 201 Graphics & Design F,W	CE 202 Geospatial Info & GIS W,S	**ST 314 Intro Stats for Engrs F,W,S	10
11				
12	# Perspectives - Cultural Diversity F,W,S	# Perspectives - Cultural Diversity F,W,S	# Perspectives - Cultural Diversity F,W,S	12
13				
14				
15				
16				

^a Enrollment term is limited by alphabetical sectioning: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">Fall</td> <td style="width: 33%; text-align: center;">Winter</td> <td style="width: 33%; text-align: center;">Spring</td> </tr> <tr> <td style="text-align: center;">WR 121</td> <td style="text-align: center;">A-G</td> <td style="text-align: center;">H-N</td> </tr> <tr> <td></td> <td style="text-align: center;">O-Z</td> <td></td> </tr> </table>	Fall	Winter	Spring	WR 121	A-G	H-N		O-Z	
Fall	Winter	Spring							
WR 121	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
SOIL 205 & 206	SOIL 205 & 206	SOIL 205 & 206
FES 240		FES 240
BOT 220		BOT 101
RNG 121		

^ERequired by College of Engineering for entry into the Professional Prog.
F, W, S = Term(s) 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	CE 311 Fluid Mechanics F,W	CE 313 Hydraulic Engineering W,S	CE 412 Hydrology F,S
2			
3			
4			
5	CE 381 Structural Theory I F,W	CE 382 Structural Theory II W,S	CE 481 Reinforced Concrete I F,S
6			
7			
8	CE 361 Surveying Theory	CE 372 Geotechnical Engineering I W,S	CE 373 Geotechnical Engineering II F,S
9			
10			
11			
12	CE 301 - Seminar* # Difference, Power, & Discrimination F,W,S	CE 392 Intro to Highway Engineering W,S	CCE 321 Civil & Construction Engineering Materials F,S
13			
14			
15			
16			

SENIOR

Cr.	Fall	Winter	Spring	Cr.
1	CE 383 Design of Steel Structures F,W	CE 418 [^] CE Professional Practice	CE 419 Civil Infrastructure Design	1
2				
3				
4	CE 491 Transportation Engr F,S	CE 420 Engineering Planning F,W	ENVE 321 Environmental Engineering Fundamentals	4
5				
6				
7				
8	Technical Elective F,W,S	Technical Elective F,W,S	Technical Elective F,W,S	8
9				
10	# Synthesis - Contemp Global Issues F,W,S	ENGR 201 Electrical Fund. I F,W,S	# Synthesis - Sci, Tech, & Society F,W,S	10
11				
12				
13				
14	# Perspectives -- Western Culture F,W,S	# Perspectives -- Western Culture F,W,S	# Perspectives -- Western Culture F,W,S	14
15				
16				

[^] Writing Intensive Course

* CE seminar is required for students entering pro-school in the 2016-2017 academic year, or later.

Admission to Professional Program required to register for these classes.

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

Technical Electives are specific CoE upper division (300-500 level) courses not otherwise required in the major. Verify with ad

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.