

ARCHITECTURAL ENGINEERING PROGRAM

2018-2019

PRE-ENGINEERING PROGRAM

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

FRESHMAN

SOPHOMORE

FRESHMAN				SOPHOMORE			
Cr.	Fall	Winter	Spring	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	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
2				2			
3				3			
4				4			
5	CH 201 ^E Chem for Engrs F,W	PHL 205 Ethics Perspective - Western Culture F,W,S	PH 211 ^E Gen Physics/Calc F,W,S	5	PH 212 ^E Gen Physics/Calc F,W,S	**ST 314 ^E Intro Stats for Engrs F,W,S	CCE 203 Virtual Des/Constr W,S
6				6			
7				7			
8	CCE 101 CCE Orientation	CCE 102 ^E Problem Solving & Technology	COMM 111/114 ^E Sp Comm F,W,S	8	ENGR 211 ^E Statics F,W,S	**ENGR 213 ^E Strength of Materials F,W,S	CEM 263 Plane Surveying
9				9			
10	WR 121 ^E English Composition F,W,S	# HHS 231 - Lifetime Fitness & Health F,W,S	Biological Science w/Lab F,W,S	10	ECON 201 Intro to Microecon Perspectives- SP&I F,W,S	CCE 201 ^E Graphics & Design F,W	ENGR 212 ^E Dynamics F,W,S
11				11			
12	# Perspectives - Cultural Diversity F,W,S	#PAC, HHS 241 or MS 130	Biological Science w/Lab F,W,S	12	ENGR 201 Electrical Fund. I F,W,S	ENGR 201 Electrical Fund. I F,W,S	# Perspectives - & Art ART 210 Hist West Arch
13				13			
14				14			
15				15			
16				16	CCE 207 CCE Seminar		16

^aEnrollment term is limited by alphabetical sectioning:

	Fall	Winter	Spring
WR 121	A-G	H-N	O-Z

Fall	Winter	Spring
ANS 121	ANS 121	ANS 121
BI 101	BI 102	BI 103
BOT 220	MB 230	BOT 101
FES 240	SOIL 205 & 206	FES 240
MB 230	SUS 102	MB 230
RNG 121		RNG 121
SOIL 205&206		SOIL 205 & 206
SUS 102		SUS 102
*CSS 205 Ecampus only (All terms)		

^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.

n/a Not offered in the term

PROFESSIONAL PROGRAM

JUNIOR

SENIOR

JUNIOR				SENIOR			
Cr.	Fall	Winter	Spring	Cr.	Fall	Winter	Spring
1	CCE 321 Civil & Construction Engineering Materials F,S	CE 381 Structural Theory I F,W	CE 372 Geotechnical Engineering I W,S	1	CE 383 Design of Steel Structures F,W	ARE 418 Prof Practice - Capstone I	ARE 419 Design - Capstone 2
2				2			
3				3			
4				4			
5	CEM 471 Electrical Facilities	ARE 352 Elec/Lighting Design	CE 382 Structural Theory II W,S	5	Technical Elective F,W,S	CCE 422 Green Building Materials	Technical Elective F,W,S
6				6			
7				7			
8	CEM 442 Building Const Management F,S	CEM 311 Hydraulics W,S	CEM 341 Construction Estimating I	8	CE 420 Engineering Planning F,W	CE 484 Wood Design	CE 481 Reinforced Concrete I F,S
9				9			
10				10			
11				11			
12	# Synthesis - Contemp Global Issues F,W,S	CEM 472 Mechanical Facilities	ARE 353 HVAC Design	12	ARE 451 Adv Construction Methods	# Difference, Power, & Discrimination F,W,S	# Synthesis - Sci, Tech, & Society F,W,S
13				13			
14				14			
15				15			
16				16			16

^ Writing Intensive Course

Admission to Professional Program required to register for these classes.

Total credits required for BS AE = 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 advisor.

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.

10/23/2018