

# ARCHITECTURAL ENGINEERING PROGRAM

2019-2020

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	Cr.
1	MTH 251 Differential Calculus F,W,S	MTH 252 Integral Calculus F,W,S	MTH 254 Vector Calculus I F,W,S	1	MTH 264 & 265 Intro-Matrix Algebra & Intro-Series F, W, S	MTH 256 Applied Differential Equations F,W,S	WR 327 Technical Writing F,W,S	1
2				2				2
3				3				3
4				4				4
5	CH 201 Chem for Engrs F,W	PHL 205 Ethics Perspective - Western Culture F,W,S	PH 211 Gen Physics/Calc F,W,S	5	PH 212 Gen Physics/Calc F,W,S	ST 314 Intro Stats for Engrs F,W,S	CCE 203 Virtual Des/Constr W,S	5
6				6				6
7				7				7
8	CCE 101	CCE 102 Problem Solving & Technology	COMM 111/114 Sp Comm F,W,S	8	ENGR 211 Statics F,W,S	ENGR 213 Strength of Materials F,W,S	CEM 263 Plane Surveying F,S	8
9	CCE Orientation			9				9
10	WR 121			10				10
11	aEnglish Composition F,W,S	# HHS 231 - Lifetime Fitness & Health F,W,S	Biological Science w/Lab F,W,S	11	ECON 201 Intro to Microecon Perspectives- SP&I F,W,S	CCE 201 Graphics & Design F,W	ENGR 212 Dynamics F,W,S	11
12	# Perspectives - Cultural Diversity F,W,S			12				12
13	# Perspectives - Cultural Diversity F,W,S	#PAC, HHS 241 or MS 130	Biological Science w/Lab F,W,S	13	ECON 201 Intro to Microecon Perspectives- SP&I F,W,S	ENGR 201 Electrical Fund. I F,W,S	# Perspectives - Art 210 Lit & ART Hist West Arch	13
14		14		14				
15		15		15				
16				16	CCE 207 CCE Seminar			16

aEnrollment term is limited by alphabetical sectioning:			
	Fall	Winter	Spring
<b>WR 121</b>	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)		

- F, W, S = Term(s) in which course is offered.
- # Courses may be taken for S/U grade.

## JUNIOR

## SENIOR

JUNIOR				SENIOR				
Cr.	Fall	Winter	Spring	Cr.	Fall	Winter	Spring	Cr.
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	1
2				2				2
3				3				3
4				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	5
6				6				6
7				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	8
9				9				9
10				10				10
11	# Synthesis - Contemp Global Issues F,W,S	CEM 472 Mechanical Facilities	ARE 353 HVAC Design	11	ARE 451 Adv Construction Methods	# Difference, Power, & Discrimination F,W,S	# Synthesis - Sci, Tech, & Society F,W,S	11
12				12				12
13				13				13
14				14				14
15				15				15
16				16				16

^ Writing Intensive Course  
 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.