

# CIVIL ENGINEERING PROGRAM

2018-2019

## PRE-ENGINEERING PROGRAM

Note: Course schedule and offerings subject to change. Check the **Oregon State University** Online Schedule of Classes when registering.

### FRESHMAN

Fall	Winter	Spring
MTH 251 <sup>E</sup> Differential Calculus F,W,S	MTH 252 <sup>E</sup> Integral Calculus F,W,S	MTH 254 <sup>E</sup> Vector Calculus I F,W,S
CH 201 <sup>E</sup> Chem for Engrs F,W	CH 202 Chem for Engrs W,S	PH 211 <sup>E</sup> Gen Physics/Calc F,W,S
CCE 101 CCE Orientation	CCE 102 <sup>E</sup> Problem Solving & Technology	ECON 201 Intro to Microecon Perspectives- SP&I F,W,S
WR 121 <sup>E</sup> <sup>a</sup> English Composition F,W,S	COMM 111/114 <sup>E</sup> Sp Communication F,W,S	CH 205 - LAB W,S
# Perspectives - Literature & Arts F,W,S	#PAC, HHS 241 or MS 130	# HHS 231 - Lifetime Fitness & Health F,W,S

### SOPHOMORE

Fall	Winter	Spring	Cr.
MTH 306 <sup>E</sup> Matrix & Power Series Methods F,W,S	MTH 256 <sup>E</sup> Applied Differential Equations F,W,S	WR 327 Technical Writing F,W,S	1
			2
			3
		Biological Science w/Lab F,W,S	4
			5
			6
			7
		**ENGR 212 Dynamics F,W,S	8
			9
		**ST 314	10
		Intro Stats for Engrs F,W,S	11
			12
		# Perspectives - Cultural Diversity F,W,S	13
			14
			15
			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
SOIL 205 & 206	SOIL 205 & 206	SOIL 205 & 206
FES 240		FES 240
BOT 220		BOT 101
RNG 121		

<sup>E</sup>Required 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

Fall	Winter	Spring
CE 311 Fluid Mechanics F,W	CE 313 Hydraulic Engineering W,S	CE 412 Hydrology F,S
CE 381 Structural Theory I F,W	CE 382 Structural Theory II W,S	CE 481 Reinforced Concrete I F,S
CE 361 Surveying Theory	CE 372 Geotechnical Engineering I W,S	CE 373 Geotechnical Engineering II F,S
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

### SENIOR

Fall	Winter	Spring	Cr.
CE 383 Design of Steel Structures F,W	CE 418 <sup>A</sup> CE Professional Practice	CE 419 Civil Infrastructure Design	1
			2
			3
		ENVE 321 Environmental Engineering Fundamentals	4
			5
			6
			7
			8
			9
			10
			11
			12
			13
			14
			15
			16

Writing Intensive Course

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