

CIVIL ENGINEERING COURSEWORK - OSU

100/200 SERIES CLASSES REQUIRED FOR PRO SCHOOL

OSU Course #	Generic Description
WR 121	English Composition
COMM 111	Public Speaking
CCE 102	Civil Engineering Computations
PH 211	General Physics with Calculus 1
PH 212	General Physics with Calculus 2
PH 213	General Physics with Calculus 3
CH 201	Chemistry for Engineers
MTH 251	Differential Calculus
MTH 252	Integral Calculus
MTH 254	Vector Calculus I
MTH 256	Applied Differential Equations
MTH 306	Matrix and Power Series Methods
ENGR 211	Statics
ENGR 213	Strength of Materials

ADDITIONAL 200 SERIES CLASSES REQUIRED FOR CECOP ENTRANCE

OSU Course #	Generic Description
ENGR 212	Dynamics
ST 314	Statistics
CCE 201	Engineering Graphics and Design
CE 202	Geospatial Information and GIS --- RECOMMENDED
CH 202	Chemistry for Engineers
CH 205	Chemistry Lab
WR 327	Technical Report Writing

300/400 SERIES CLASSES REQUIRED FOR FIRST CECOP INTERNSHIP

OSU Course #	Generic Description
CE 311	Fluid Mechanics
CE 313	Hydraulic Engineering
CE 321	Civil Engineering Materials
CE 361	Surveying Theory
CE 372	Geotechnical Engineering I
CE 381	Structural Theory I
CE 382	Structural Theory II
CE 392	Introduction To Highway Engineering
ENGR 407	CECOP Engineering Seminar

300/400 SERIES CLASSES REQUIRED FOR SECOND CECOP INTERNSHIP

OSU Course #	Generic Description
CE 373	Geotechnical Engineering II
CE 383	Design of Steel Structures
CE 412	Hydrology
CE 420	Engineering Planning
CE 481	Reinforced Concrete I
CE 491	Transportation Engineering
ENVE 321	Environmental Engineering Fundamentals
ENGR 407	CECOP Engineering Seminar

ADDITIONAL 300/400 SERIES CLASSES REQUIRED FOR GRADUATION

	These courses are usually taken following the second internship.
OSU Course #	Generic Description
CE 418	Professional Practice
CE 419	Civil Infrastructure Design

Note: Additional courses are required and must be taken at the appropriate times to insure timely graduation. Each CECOP student is required to develop an individualized course plan of study leading to graduation.