

PSU Civil Engineering Coursework

100/200 SERIES CLASSES REQUIRED FOR PRO CECOP ENTRANCE AND PRO SCHOOL	
PSU Course #	Generic Description
*UNST 101-103	Freshman Inquiry
*UNST 299	Sophomore Inquiry
CH 221/227	General Chemistry and Lab
CH 222/228	General Chemistry and Lab
PH 221/214	Physics with Lab
PH 222/215	Physics with Lab
PH 223/216	Physics with Lab
MTH 251	Calculus I
MTH 252	Calculus II
MTH 261	Linear Algebra
MTH 254	Calculus IV
MTH 256	Applied Differential Equations
EAS 101	Engineering Problem Solving
EAS 115	Engineering Graphics
EAS 211	Statics
EAS 212	Strength of Materials
EAS 215	Dynamics
CE 211	Plane Surveying and Mapping
CE 212	Field Problems in Plane Surveying
STAT 451CM	Applied Statistics for Engineers and Scientists

*Transfer students must meet AL/SS requirements, which include WR 121 and SP 100.

300/400 SERIES CLASSES REQUIRED FOR FIRST CECOP INTERNSHIP	
PSU Course #	Generic Description
EAS 361	Fluid Mechanics
CE 315	Civil and Environmental Engineering Profession
CE 321	Civil Engineering Materials
CE 324	Elementary Structural Analysis
CE 325	Indeterminate Structures
CE 341	Soil Classification and Properties
CE 362	Hydraulics
CE 407	CECOP Engineering Seminar
EC 314U	Private Public Investment

300/400 SERIES CLASSES REQUIRED FOR SECOND CECOP INTERNSHIP	
PSU Course #	Generic Description
CE 434	Principles of Reinforced Concrete
CE 454	Urban Transportation Systems

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CE 407	CECOP Engineering Seminar
CE 364	Water Resources Engineering
CE 444	Geotechnical Design
CE 333	Design of Steel Structures
CE 351	Transportation Systems
CE 371	Environmental Engineering
ME 321	Engineering Thermodynamics (recommended)

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 until graduation.