

CIVIL ENGINEERING COURSEWORK - OSU**100/200 SERIES CLASSES REQUIRED FOR PRO SCHOOL**

| OSU Course # | Generic Description |
|---------------------|---------------------------------|
| WR 121 | English Composition |
| COMM 111 | Public Speaking |
| CE 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 201 | Electrical Fundamentals I |
| ENGR 212 | Dynamics |
| ST 314 | Statistics |
| CE 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. |
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| 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.