

## Notes:

- Select design (D) courses following the requirements of the **CE Worksheet**.
- Note the semester (Sem) courses are offered in your course planning.
- Students must meet all requisites for accreditations purposes.

		Hrs	Sem	Pre- & Co-requisites	
<b>CE REQUIRED COURSES</b>					
	CE 214	Engineering Mechanics - Statics	3	F/S	C or better in PY 205 and MA 241; CoReq: MA 242
	CE 250	Intro. to Sustainable Infrastructure	3	F/S	CoReq: CSC 111 and CE 214
	CE 225	Solid Mechanics	3	F/S	MA 242 and C- or better in CE 214
	CE 282	Hydraulics	3	F/S	C- or better in CE 214; CoReq: MA 341 or MA 305 or ST 370
	CE 332	Materials of Construction	3	F/S	MSE 200 and C- or better in CE 225
	CE 342	Engr Behav of Soils & Found	4	F/S	C- or better in CE 225 and CE 282
<b>CE ELECTIVE COURSES</b>					
<b>Coastal Engineering &amp; Water Resources</b>					
	CE 383	Hydrology & Urban Water Sys	3	F/S	C- or better in CE 282; CoReq: ST 370
	CE 487	Intro. To Coastal & Ocean Engr	3	S	CE 282; Senior Standing
D	CE 488	Water Resources Engineering	3	F	CE 339 ( <i>must take in Sprg Jr. Yr.</i> ) and CE 383
<b>Computing &amp; Systems</b>					
	CE 339	Civil Engineering Systems	3	S	CSC 111 and (MA 341 or MA 305); Junior Standing
	CE 437	Civil Engineering Computing	3	F	CSC 111 and (MA 341 or MA 305); Senior Standing
<b>Construction Engineering</b>					
	CE 367	Mech. & Elec. Sys in Buildings	3	S	C- or better in CE282
D	CE 466	Building Construction Engr	3	F	CE 327 ( <i>take in Fall/Sprg Jr. Yr.</i> )
<b>Environmental Engineering</b>					
	CE 373	Fund of Environmental Engr	3	F/S	CoReq: CE250 and (CHE 205 or CE 282)
	CE 479	Air Quality	3	S	CE 373 ( <i>take in Fall/Sprg Jr. Yr.</i> ) and CE 282; CoReq: ST 370
D	CE 476	Air Pollution Control	3	F	CE 373 and MAE 201; CoReq: ST 370
D	CE 477	Principles of Solid Waste Engr	3	S	CE 373 ( <i>take in Fall/Sprg Jr. Yr.</i> ), CE 250 and CE 282
D	CE 484	Water Supply & Waste Water	3	F	CE 373 ( <i>take in Fall/Sprg Jr. Yr.</i> ) and CE 282
	CE 478	Energy and Climate	3	F	Senior Standing
<b>Geotechnical Engineering</b>					
	CE 435	Engineering Geology	3	Varies	MEA 101; Junior standing
D	CE 443	Seepage, Embank, & Retain Str.	3	S	C- or better in CE 342
D	CE 444	Intro to Foundation Engr	3	F	C- or better in CE 342
<b>Structural Engineering</b>					
	CE 325	Structural Analysis	3	F/S	CSC 111 and C- or better in CE 225
	CE 327	Reinforced Concrete Design	3	F/S	C- or better in CE 225
D	CE 426	Structural Steel Design	3	F/S	C- or better in CE 225
	CE 420	Structural Engineering Project	3	F/S	C- or better in (CE 325, CE 327, CE 342 and CE 426)
<b>Transportation Engineering &amp; Materials</b>					
	CE 305	Traffic Engineering	3	F/S	C- or better in CE 250; CoReq: ST 370
	CE 401	Transportation Systems Engr	3	F	C- or better in CE 305
D	CE 402	Traffic Operations	3	F	C- or better in CE 305
D	CE 403	Highway Design	3	S	C- or better in CE 305
D	CE 413	Principles of Pavement Design	3	F	CE 332 and CE 342
<b>Other Civil Engineering Courses</b>					
	CE 301	Civil Engr Surveying & Geomatics	3	F/S	Junior Standing
	CE 450	Civil Engineering Project	3	F/S	CE 305, CE 342 and CE 383; CoReq: one of CE488, CE443, CE444, CE403, or CE413