

7 senior electives must cover 2 elective areas, cannot have 7 S courses- can have 6 S courses and 1 non-S.

## COURSE SUMMARY

7 courses required  
1 must fulfill lab designation  
3 must fulfill design  
3 can be any- lab, design, other

Course No.	Title	Elective Area	Total Cr	Designation	Fall Sem	Spring Sem
CE 174	Intro Meteorology & Atm Env	E	3		X	
ENGR 120	Innovation in Design		2		X	X
CE 211	Statics		3		X	X
CE 215	Mechanics of Materials		3		X	X
CE 302	Intro to Surveying		2		X	
CE 303	CE Computer Applications		2			X
CE 315	Fluid Mechanics		3		X	X
CE 317	Geotech Engineering [M]		3		X	X
CE 322	Transportation Engineering		3		X	X
CE 330	Intro to Structural Engineering		3		X	X
CE 341	Intro to Environmental Engr		3		X	X
CE 351	Water Resources Engr		3		X	X
CE 400	Hwy Materials Engr	T/G	3	Lab		X
CE 403	Environmental Geology	E	3			X
CE 404	Sustainability Engineering I	Sus	3	Des	X	
CE 405	Sustainability Engineering II	Sus	3	Des		X
CE 408	Air Pollution Control Engr	E	3	Des		X
CE 409	Air Quality Modeling	E	3		X	
CE 414	Structural Design Laboratory	S	3	Lab/Des		X
CE 415	Environmental Measurements	E	3	Lab	X	
CE 416	Hydraulic Engineering Laboratory	H	3	Lab/Des		X
CE 418	Hazardous Waste Engr	E	3-4		X	
CE 419 <sup>1</sup>	Hazardous Waste Treatment	E	3	Des		X
CE 425	Soil and Site Improvement	G	3	Des	X	ID
CE 430	Analysis Indeterm. Structures	S	3		X	
CE 431	Structural Steel Design	S	3	Des		X
CE 433	Reinforced Concrete Design	S	3	Des	X	
CE 434 <sup>2</sup>	Prestressed Concrete Design	S	3	Des		X
CE 435	Foundations	G	3	Des		X
CE 436	Design of Timber Structures	S	3	Des	X	
CE 437	Structural Comp Des	S/M	3		X	
CE 442	Water/Waste Treat. Design	E	3	Des		X
CE 450	Hydraulic Engr Design	H	3	Des		ID
CE 451	Open Channel Flow	H	3	Des	X	
CE 456	Sust Dvlpmnt in Water Resources	H/Sus		Des	X	
CE 460	Advanced Hydrology	H	3	Des		X
CE 463 ®	Engineering Administration		3		X	X
CE 465 ®	Integrated Civil Engr Design [M]		3		X	X
CE 466 ®	FE Exam Review		1		X	X
CE 473	Pavement Design	T/M	3	Des	X	ID
CE 474	Interm. Transportation Engr	T/M	3	Des	ID	
CE 475	Groundwater	H	3	Des	X	
CE 480 ®	Ethics and Professionalism [M]		1		X	X
CE 495	Engineering Internship		var			
CE 498	Special Topics in CE		var			
CE 499	Special Problems		var			
CstM 370*	Estimating I	O	3		X	
CstM 462*	Planning and Scheduling	O	3		X	
CstM 466*	Heavy/Civil Estimating	O	3		X	

Senior electives- 400 level courses, not including ® or required courses

Can take one CstM course to count as a senior elect.

**Legend:** Elective Areas (E=Environmental, G=Geotechnical, H=Hydraulics, O=Other, S= Structural, Sus=Sustainability, T/M=Transportation/Materials); Designation for electives either lab or DES = design emphasis; ID=class taught at University of Idaho; 1 =418 prerequisite, 2=433 prerequisite ®= Required, does not count as a senior elective. \* **Only one Construction Management course may be taken as an elective.**