

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	Sus.	Total Cr	Designation	Fall Sem	Spring Sem
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	Geotechnical Engineering [M]			4		X	X
CE 320	Construction Materials		X	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		X	3		X	X
CE 351	Water Resources Engr		X	3		X	X
CE 400	Hwy Materials Engr	T/G		3	Lab/Des	X	X
CE 401	Climate Change Science/Engr	E	X	3			X
CE 402	Applied Meteorology	E		3		X	
CE 403	Air Quality Management	E	X	3	Des		X
CE 405	Sustainable Infrastructure	Sus	X	3		X	
CE 407	Stormwater	E		3		X	
CE 414	Structural Design Loads	S		3		X	X
CE 415	Environmental Measurements	E		3	Lab	X	
CE 416	Hydraulic Engineering Laboratory	H		3	Lab		X
CE 418	Hazardous Waste Engr	E		3-4		X	
CE 419 ¹	Hazardous Waste Treatment	E		3	Des		X
CE 425	Soil and Site Improvement	G	X	3	Des	X	
CE 430	Analysis Indeterm. Structures	S		3		X	
CE 431 ³	Structural Steel Design	S		3	Des		X
CE 433 ³	Reinforced Concrete Design	S		3	Des	X	X
CE 434 ³	Masonry Design	S		3	Des		X
CE 435	Foundations	G		3	Des		X
CE 436 ³	Design of Timber Structures	S		3	Des	X	
CE 442	Water/Waste Treat. Design	E		3	Des		X
CE 450	Hydraulic Engineering Design	H		3	Des	X	
CE 451	Open Channel Flow	H		3	Des		X
CE 456	Sust Dvlpmnt in Water Resources	H/Sus	X	3	Des	X	
CE 460	Advanced Hydrology	H		3	Des		X
CE 463 [®]	Engineering Administration			3		X	X
CE 465 [®]	Integrated Civil Engr Design [M]		X	3		X	X
CE 472	Durable & Sust Pvmnts & Bridges	Sus/T/M	X	3			X
CE 473	Pavement Design	T/M	X	3	Des		X
CE 474 ID	Interm. Transportation Engr	T/M		3	Des	ID	
CE 475	Groundwater	H	X	3		X	
CE 476	Pavement Mtnce & Rehabilitation	T/M	X	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 462	Planning and Scheduling	C		3		X	
CstM 466	Heavy/Civil Estimating	C		3			X

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

Legend: Elective Areas (C= Construction, E=Environmental, G=Geotechnical, H=Hydraulics, 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, 3=414 prerequisite; *=taught either

semester ®= **Required, does not count as a senior elective.**