CEEGR

Bachelor of Science in Civil Engineering
Environmental Specialization

4 YEAR TYPICAL PROGRAM OF STUDY

2013-2014

DEGREE REQUIREMENTS	CURRICULUM NOTES
Credits: minimum of 192 credits **Credits in major**: 146 **GPA cumulative minimum**: 2.5 **GPA major minimum:** 2.5	• Assumes trigonometry (MATH 121) not needed due to placement exam or college credit. • Assumes placement into MATH 134 by SAT/ACT/SU math placement exam or college credit; students not placing into MATH 134 will need to take MATH 120 as an elective. • *Choose CEEGR 326 – Transportation Engr., CEEGR 328 – Timber Design, CEEGR 376 – Environmental Law, **or** CEEGR 386 – Green Engr. • **Choose CEEGR 455 – Foundation Design **or** CEEGR 472 – Water Resources. • ***Choose CEEGR 447 – Structural Design I and CEEGR 449 – Structural Design II **or** CEEGR 474 – Water/Wastewater Engr and CEEGR 475 – Hazardous Waste Engr. • Fundamentals of Engineering (FE) examination is required for graduation. **For complete information on courses, prerequisites, etc, use this information in conjunction with the online Catalog (http://catalog.seattleu.edu/) for the current year.**

This example assumes you have completed no degree requirements. Your personal program may vary from this due to prior educational experience or individual goals.

	FALL		WINTER		SPRING	
	COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS
FRESHMAN	MATH 134 – Calculus I	5	MATH 135 – Calculus II	5	MATH 136 – Calculus III	5
	CEEGR 105 – Engr. Graphics/Communication	3	PHYS 121 – Mechanics	5	PHYS 122 – Electricity and Magnetism	5
	CEEGR 100 – Intro to Civil/Environ. Engr.	1	UCOR 1XXX	5	UCOR 1XXX	5
	UCOR 1XXX	5				
SOPHOMORE	MATH 232 – Multivariable Calculus	3	MATH 233 – Linear Algebra	3	MATH 234 – Differential Equations	4
	PHYS 123 – Waves and Optics	5	CHEM 121/131 Gen. Chem. I/Lab	5	MATH 244 – Probability and Statistics	5
	MEGR 210 – Statics	4	MEGR 230 – Dynamics	4	CEEGR 221/222 – Mechanics of Matl. I/Lab	5
	UCOR 1XXX	5	UCOR 2XXX	5	CEEGR 250 – Residential Design	3
JUNIOR	BIOL 161/171 – Biology I/Lab	5	CEEGR 335 – Applied Hydraulics	4	CEEGR 311 – Engr. Measurements	5
	CEEGR 302 – Engr. Economy	3	CEEGR 341 – Bio. Prin. Environ. Engr.	4	CEEGR 342 – Environ. Engr. Chem.	4
	CEEGR 331 – Fluid Mechanics	4	CEEGR 353 – Soil Mechanics	5	CEEGR 351 – Engr. Geology	4
	CEEGR 337 – Fluids Lab	1	CEEGR 326, 328, 376 or 386*	3	CEEGR 371 – Water Resources I	4
	MEGR 281 – Engr. Methods	4				
SENIOR	CEEGR 455 or 472**	4	CEEGR 474 – Water/Wastewater Engr.	4	CEEGR 475 – Hazardous Waste Engr.	4
	CEEGR 473 – Prin. of Environ. Engr.	5	CEEGR 488 – Engr. Design II	4	CEEGR 489 – Engr. Design III	3
	CEEGR 487 – Engr. Design I	3	UCOR 2XXX	5	UCOR 3XXX	5
	UCOR 2XXX	5			UCOR 3XXX	5

CORE MODULE I REQUIREMENTS	CORE MODULE II REQUIREMENTS	CORE MODULE III REQUIREMENTS
UCOR 1100 Academic Writing Seminar	UCOR 2100 Theological Explorations	UCOR 3100 Religion in a Global Context
UCOR 1200 Quantitative Reasoning – **sat in major**	UCOR 2500 Philosophy of the Human Person	UCOR 3400-3440 Humanities Global Challenge
UCOR 1300 Creative Expression and Interpretation	UCOR 2900-2940 Ethical Reasoning	UCOR 3600-3640 Social Sciences Global Challenge – **sat in major**
UCOR 1400-1440 Inquiry Seminar in the Humanities		
UCOR 1600-1640 Inquiry Seminar in the Social Sciences		
UCOR 1800-1840 Inq Sem in the Natural Sciences – **sat in major**		