Seattle University
Green River Community College Program of Study for Civil Engineering

Fall Quarter			Winter Quarter			Spring Quarter		
Freshman Year at GRCC								
SU Equivalent	**GRCC course # (credits)**		**SU Equivalent**	**GRCC course # (credits)**		**SU Equivalent**	**GRCC course # (credits)**	
ENGL 110	**ENGL 110 (5)**	5	PHYS 121	**PHYS 201 (5)**	5	PHYS 122	**PHYS 202 (5)**	5
MATH 134	**MATH 124 (5)**	5	MATH 135	**MATH 125 (5)**	5	MATH 136	**MAT 126 (5)**	5
CEEGR 105 & 1 cr elective	**GE 123 (5)**	4	ENGL 120	**literature or humanities course[1] (5)**	5	HIST 120/121	**history or humanities course (5) [1]**	5
	Total Qtr. Credits	**14**		**Total Qtr. Credits**	**15**		**Total Qtr. Credits**	**15**
Sophomore Year at GRCC								
MEGR 210	**GE 112 (5)**	4	MEGR 230	**GE 281 (5)**	4	CEEGR 221	**GE 240 (5)**	4
PHYS 123	**PHYS 203 (5)**	5	CHEM 121/131	**CHEM 140 (6)**	5	MATH 234	**MATH 238 (5)**	4
Soc. Sci. I	**Social Science course (not economics) (5)[2]**	5	MATH 233	**MATH 240 (5)**	3	PHIL 110	**Intro to Phil (PHIL 100) or hum/hist/soc sci course (5)**	5
MATH 232	**MATH 224 (5)**	3	MEGR 281	**C SCI 142/GE 142 (5)**	4			
	Total Qtr. Credits	**17**		**Total Qtr. Credits**	**16**		**Total Qtr. Credits**	**13**
Junior Year at Seattle University								
PHIL 210/220	Philosophy of the Human Person	5	CEEGR 323	Mechanics of Materials II	5	CEEGR 311	Engineering Measurements	4
CEEGR 222	Mechanics of Materials Lab I	2	CEEGR 335	Applied Hydraulics	5	CEEGR 342	Environ. Engr. Chemistry	4
CEEGR 331	Fluid Mechanics	4	CEEGR 353	Soil Mechanics	5	CEEGR 371	Water Resources I	3
CEEGR 337	Fluids Laboratory	1	Elective	General Elective	1	MATH 244	Probability & Statistics	5
CEEGR 351	Engineering Geology	4						
	Total Qtr. Credits	**16**		**Total Qtr. Credits**	**16**		**Total Qtr. Credits**	**16**
Senior Year at Seattle University								
CEEGR 445	Structural Mechanics	5	CEEGR 402	Engineering Economy	3	CEEGR 489	Engineering Design III	4
CEEGR 473	Princ. of Environmental. Engr.	5	*CEEGR 447	Structural Design I - or -	5	*CEEGR 449	Structural Design II - or -	5
CEEGR XXX	CE Elective[3]	4	*CEEGR 474	Water/Wastewat. Engr.	5	*CEEGR 475	Hazardous Waste Engr.	5
CEEGR 487	Engineering Design I	4	CEEGR 488	Engineering Design II	4	Elective	hum/hist/soc sci course	5
			PHIL Ethics	Ethics Elective	5	THRS 2XX	Religious Studies 200 Level	5
	Total Qtr. Credits	**18**		**Total Qtr. Credits**	**17**		**Total Qtr. Credits**	**19**
							Total Degree Credits	**192**

The course of study described here presumes two years at Green River Community College and 90 transfer credits followed by two years at Seattle University.

* Choose one sequence: CEEGR 447 and 449 or CEEGR 474 and 475

[1] Transfer courses from the following categories may be used to fulfill ENGL 120, HIST 120 and PHIL 110 (Please Note that only two transfer courses from any one category will be counted towards fulfillment of these four courses): communications/journalism/speech, English/literature (no English composition), fine arts/art/drama/music (no skill or performances courses), history, humanities philosophy and religion.

[2] Choose a five-credit social science course from the following subjects: anthropology (not physical anthro), administrative justice/criminal justice, geography, government/politics, psychology and sociology.

[3] Choose one of the CE electives: CEEGR 343 Air Poll. Engr. (spring), 425 Transp. Engr. (winter), 455 Found. Design (spring), or 472 Water Resources II (fall).

Last Revised: October 2008

Seattle University

Green River Community College Program of Study for Civil Engineering with Environmental Engineering Specialty

Fall Quarter			Winter Quarter			Spring Quarter		
Freshman Year at GRCC								
SU Equivalent	**GRCC course # (credits)**		**SU Equivalent**	**GRCC course # (credits)**		**SU Equivalent**	**GRCC course # (credits)**	
ENGL 110	**ENGL 110 (5)**	5	PHYS 121	**PHYS 201 (5)**	5	PHYS 122	**PHYS 202 (5)**	5
MATH 134	**MATH 124 (5)**	5	MATH 135	**MATH 125 (5)**	5	MATH 136	**MATH 126 (5)**	5
CEEGR 105	**GE 123 (5)**	3	ENGL 120	**literature or humanities course (5)[1]**	5	HIST 120/121	**history or humanities course (5)[1]**	5
	Total Qtr. Credits	**13**		**Total Qtr. Credits**	**15**		**Total Qtr. Credits**	**15**
Sophomore Year at GRCC								
MEGR 210	**GE 112 (5)**	4	MEGR 230	**GE 281 (5)**	4	CEEGR 221	**GE 240 (5)**	4
PHYS 123	**PHYS 203 (5)**	5	CHEM 121/131	**CHEM 140 (6)**	5	MATH 234	**MATH 238 (5)**	4
BIOL 161/171	**BIOL 201 (6)**	5	MATH 233	**MATH 240 (5)**	3	Soc. Sci. I	**social science course (not econ) (5) [2]**	5
MATH 232	**MATH 224 (5)**	**3**	PHIL 110	**Intro to Phil (PHIL 100) or hum/hist/soc sci (5)**	5	MEGR 281	**C SCI 142/GE 142 (5)**	4
	Total Qtr. Credits	**17**		**Total Qtr. Credits**	**17**		**Total Qtr. Credits**	**17**
Junior Year at Seattle University								
PHIL 210/220	Philosophy of the Human Person	5	CEEGR 325	Applied Engineering Mechanics	3	CEEGR 311	Engineering Measurements	4
CEEGR 331	Fluid Mechanics	4	CEEGR 335	Applied Hydraulics	5	CEEGR 342	Environmental Engr. Chem.	4
CEEGR 337	Fluids Laboratory	1	CEEGR 353	Soil Mechanics	5	CEEGR 371	Water Resources I	3
CEEGR 341	Bio. Prin. Environmental Engr.	4	MATH 244	Probability & Statistics	5	THRS 2XX	Religious Studies 200 Level	5
CEEGR 351	Engineering Geology	4						
	Total Qtr. Credits	**18**		**Total Qtr. Credits**	**18**		**Total Qtr. Credits**	**16**
Senior Year at Seattle University								
CEEGR 473	Princ. of Environmental Engr.	5	CEEGR 402	Engineering Economy	3	CEEGR 475	Hazardous Waste Engr.	5
CEEGR XXX	CE Elective[3]	4	CEEGR 474	Water/Wastewater Engineering	5	CEEGR 489	Engineering Design III	4
CEEGR 487	Engineering Design I	4	CEEGR 488	Engineering Design II	4	Elective	hum/hist/soc sci course	5
Elective	General elective	4	PHIL Ethics	Ethics Elective	5	Elective	General elective	2
	Total Qtr. Credits	**17**		**Total Qtr. Credits**	**17**		**Total Qtr. Credits**	**16**
							Total Degree Credits	**192**

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[2] Choose a five-credit social science course from the following subjects: anthropology (not physical anthro), administrative justice/criminal justice, geography, government/politics, psychology and sociology.

[3] Choose one of the CE electives: CEEGR 343 Air Poll. Engr. (spring), 425 Transp. Engr. (winter), 455 Found. Design (spring), or 472 Water Resources II (fall).