BS in Environmental Science: Typical Program of Study[1] – 4 year (2011 Catalog)

	Fall Quarter	Winter Quarter	Spring Quarter
Freshman	**CHEM 121**-General Chemistry I (4) **CHEM 131**-General Chemistry Lab I (1)	**CHEM 122**-General Chemistry II (4) **CHEM 132**-General Chemistry Lab II (1)	**CHEM 123**-General Chemistry III (4) **CHEM 133**-Qualitative Inorganic Lab (1)
	MATH 120[2]-Precalculus:Algebra (5)	**MATH 131**-Calculus for Life Sciences(5) **MATH 121**-Precalculus: Trigonometry (2)[3]	**MATH 141**-Statistics for Life Sciences (5)
	Core (5)[4]	**ENSC 100**-Introduction to Environmental Science (2)[5]	**Core** (5)
Sophomore	**BIOL 161**-Biology I: Molecular and Cellular Biology (4) **BIOL 171**-Biology I Lab (1)	**BIOL 162**-Biology II: Evolution and Ecology (4) **BIOL 172**-Biology II Lab (1)	**BIOL 163**-Biology III: Physiology and Development (4) **BIOL 173**-Biology Lab III (1)
	CEEGR 351-Engineering Geology (4) *OR* **ENSC 125**-Environmental Geology (5)	**CHEM 231**-Fundamentals of Organic Chemistry I (4) **CHEM 241**-Fundamentals of Organic Chemistry Lab I (2)	**CHEM 232**- Fundamentals of Organic Chemistry II (4) **CHEM 242**- Fundamentals of Organic Chemistry Lab II (2)
	Core (5)	**Core** (5)	**Core** (5)
Junior	**PHYS 105**-Mechanics (5)	**PHYS 106**-Waves, Sound, Electricity and Magnetism (5)	**ENSC 342**-Environmental Engineering Chemistry (4)
	Major Elective (5)[6]	**ENSC 341**- Applied Environmental Biology (5)	**BIOL 470**-General Ecology (5)
	Core (5)	**Core** (5)	**Core** (5)
Senior	**ENSC 473**-Principles of Environmental Engineering (5)	**ENSC 476**-Environmental Law and Impact Studies (4)	**ENSC 486**-Green Engineering (4)
	Major Elective (5)	**Major Elective** (5)	**Major Elective** (5)
	Core (5)	**Core (5)**	**Core** (5)
		ENSC 489-Senior Synthesis (2)	**ENSC 490**-Senior Synthesis Seminar (1)

[1] In order to earn a Bachelor of Science in Environmental Science, a student must complete 180 credits with a cumulative GPA of 2.0 and a major GPA of 2.0. A student's actual plan of study may vary from this example due to prior educational experience or preferences with respect to ordering the 100-level science sequences (for example, the physics series may be taken in any of the four years, but is most often taken in the sophomore or junior years). This plan of study is representative, but not the only possible sequence of courses leading to the ENSC degree.

[2] This plan of study assumes that a student enters Seattle University with placement into MATH 120 (Precalculus). MATH 120 is not required for the degree; students eligible for MATH 131 (Calculus) or higher may begin with calculus.

[3] A student may waive trigonometry through sufficient achievement on the trig placement test.

[4] Core courses required for degree:

Phase I Core (freshman/sophomore)	Phase II Core (sophomore/junior)	Phase III Core (junior/sophomore)
ENGL 110-College Writing	**PHIL 220**-Philosophy of the Human Person (**PHIL 210** for some transfer students)	Theology and Religious Studies 300-level (**THRS 324** – Religion & Ecology recommended)
ENGL 120-Introduction to Literature	Social Science 100-level	Ethics (**PHIL 355** – Environmental Ethics recommended)
HIST 120-Origins of Western Civilization *OR* **HIST 121**-Studies of Modern Civilization	Social Science 200-level (**ECON 271** or **ECON 272** recommended)	Interdisciplinary (**ENSC 482** – Global Climate Change recommended)
PHIL 110-Introduction to Philosophy	Theology and Religious Studies 200-level	
FINR 120 or other core fine arts option		

[5] Elective course (optional, not required).

[6] A) Major electives (18 credits required): CHEM 260, CHEM 319, CHEM 454, CEEGR 105, CEEGR 302, CEEGR 311, CEEGR474, CEEGR 475, ENSC 100, ENSC 125, MEGR 105, BIOL 235, BIOL 240, BIOL 252, BIOL 275, BIOL 300, BIOL 385.
Any one of these may also be used as an elective: PLSC 300, ECON 468, HIST 351, PHIL 355, PHIL 378, THRS 324, ENSC 482.
B) The timing of major electives depends on when the desired courses are offered.
C) Summer courses through Blakely island Field Station also recommended for major elective.