

ESRM: NREM

Environmental Science and Terrestrial Resource Management Degree: Option in Natural Resource and Environmental Management (NREM)

Graduation Requirements

University of Washington

<https://sefs.uw.edu>

**ALL ESRM-prefixed courses must be completed with a
minimum 2.0 to count towards the degree**

ESRM Math and Sciences Fundamentals (35-40 Cr)		Natural Resources and Environmental Management Requirements (45 credits)	
QSCI 291 (5 cr.) Calculus for Biologists I, Offered Autumn and Winter. (or MATH 124)	<input type="checkbox"/>	Required Option Courses (30 credits): see list at https://tinyurl.com/NREMOption	<input type="checkbox"/>
QSCI 292 (5 cr) Calculus for Biologists II, offered Winter and Spring. (or MATH 125)	<input type="checkbox"/>		<input type="checkbox"/>
QSCI 381 (5 cr) Introduction to Probability and Statistics (or STAT 311)	<input type="checkbox"/>	Ecosystem Threat Elective: 1 course from the list at https://tinyurl.com/NREMOption (3-5 credits)	<input type="checkbox"/>
CHEM 120 (5 cr) Principles of Chemistry I, offered Autumn and Summer. (or CHEM 142)	<input type="checkbox"/>	Adaptive Management Elective: 1 course from the list at https://tinyurl.com/NREMOption (5 cr)	<input type="checkbox"/>
CHEM 220 (5 cr) Principles of Chemistry II, offered Winter. (or CHEM 152)	<input type="checkbox"/>	Economics and Society Elective: 1 course from the list at https://tinyurl.com/NREMOption (3-5 credits)	<input type="checkbox"/>
BIOL 180 (5 cr) Introductory Biology **	<input type="checkbox"/>		<input type="checkbox"/>
BIOL 200 (5 cr) Introductory Biology**	<input type="checkbox"/>	Choose additional ESRM 300/400 level credits if needed to reach 45 credits	<input type="checkbox"/>
BIOL 220 (5 cr) Introductory Biology **	<input type="checkbox"/>		
ESRM Core Courses (17 cr)			
ESRM 200 (5cr): Society and Sustainable Environments	<input type="checkbox"/>		
ESRM 201 (5 cr): Sustaining Pacific Northwest Ecosystems	<input type="checkbox"/>		
ESRM 300 (2 Cr): Principles of Sustainability	<input type="checkbox"/>		
ESRM 304 (5 cr): Environmental and Resource Assessment	<input type="checkbox"/>		
General and Area of Inquiry Requirements (30-53 Cr) (remaining met by major requirements)			
English Composition – Any Composition (C) course (5cr)	<input type="checkbox"/>		
Any W courses (10 cr) If not met by completing an ESRM Capstone	<input type="checkbox"/>		
Areas of Inquiry (formerly Areas of Knowledge):			
Arts & Humanities (A&H) (5 cr, or 10 CR if COM not A&H) Any UW A&H Course	<input type="checkbox"/>		
Social Science (SSc) (10 cr., or 15 CR if Economics not an SSc course) (formerly I&S) Any UW SSc course	<input type="checkbox"/>		
Diversity-DIV (3cr) – (choose an overlap with A&H/SSc course)	<input type="checkbox"/>		
Natural Science (NSc) 10 cr outside major	<input type="checkbox"/>		
ESRM Major Foundation (20 cr)			
COM (5 cr) Any 200-level COM course	<input type="checkbox"/>		
Economics (5 cr) 1 from ESRM/ENVIR/ECON 235 Introduction to Environmental Economics, ECON 200 or ECON 201	<input type="checkbox"/>		
ESRM 250 (5 cr) Introduction to Geographical Information Systems in Forest Resources	<input type="checkbox"/>		
Earth Science: 1 from ESRM 210 Introductory Soils; ESS 201 or 210; ESS/OCEAN 230 (5 cr only); ATMS 211 (5 credits)	<input type="checkbox"/>		
Free Electives (5-33 credits)			
		Free Electives as needed to reach 180 credits	<input type="checkbox"/>
		Total credits required for graduation: 180cr	

****Or both BIOL 161 and BIOL 162 Credit from AP/IB test or transfer**

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Sample 4-year degree plan

University of
Washington

School of Environmental and Forestry Sciences

Undergraduate Advising (ESRM and BSE Majors)

116 Anderson Hall

Email: sefsadv@uw.edu

Advising and Appointment Scheduling:

<https://sefs.uw.edu/students/undergraduate/undergraduate-advising/>

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This is a sample four-year plan for ESRM Major students. This includes all degree requirements except for Free Electives and W course credits that are not met by Senior Capstone.

The important thing to note is that while you may not be following the plan precisely, you do want to complete the Freshman and Sophomore year courses before you move on to the Junior and Senior year courses, both to scaffold your learning and to minimize the potential for encountering course time conflicts.

First Year	Autumn Quarter	Cr	Winter Quarter	Cr	Spring Quarter	Cr
	CHEM 120/142	5	CHEM 220/CHEM 152	5	Any NSc outside of major	5
	English Composition (C) course	5	Any SSc (that also meets the W course requirement)	5	ESRM 235 or other ECON (meets SSc)	5
	[MATH 120 only if needed; Otherwise, Any A&H (that also meets the W course requirement)]	5	Q SCI 291 / MATH 124	5	Q SCI 292/MATH 125	5
	Qtr. Total:	15	Qtr. Total:	15	Qtr. Total:	15
Second Year	Autumn Quarter	Cr	Winter Quarter	Cr	Spring Quarter	Cr
	BIOL 180	5	BIOL 200	5	BIOL 220	5
	ESRM 201	5	ESRM 300	2	ESRM 304	5
	Any SSc (that also meets DIV)	5	ESRM 200	5	ESRM 250	5
			Free elective (if needed)	3		
	Qtr. Total:	15	Qtr. Total:	15	Qtr. Total:	15
Third Year	Autumn Quarter	Cr	Winter Quarter	Cr	Spring Quarter	Cr
	ESRM 3XX/4XX	5	ESRM 3XX/4XX	5	ESRM 3XX/4XX	5
	ESRM 3XX/4XX	5	Q SCI 381 or other Statistics	5	ESRM 4XX	5
	ESRM 210 or other Earth Science	5	COM requirement (meets A&H)	5	Any NSc outside of major	5
	Qtr. Total:	15	Qtr. Total:	15	Qtr. Total:	15
Fourth Year	Autumn Quarter	Cr	Winter Quarter	Cr	Spring Quarter	Cr
	ESRM 4XX	5	ESRM 4XX	5	ESRM 4XX	5
	ESRM 4XX	5	Free Elective (if needed)	5	Free elective (if needed)	5
	Free Elective (if needed)	5	Free Elective (if needed)	5	Free elective (if needed)	5
	Qtr. Total:	15	Qtr. Total:	15	Qtr. Total:	15

- ESRM Elective courses are offered once a year. **Always check the Annual Course Schedule on the SEFS web site for current year scheduling information** if you are interested in specific course offerings
- ESRM Core and other 200 level courses are generally offered 1-2 times per year, except for ESRM 250 which is offered more frequently. **Always check the Annual Course Schedule on the SEFS web site for current year scheduling information.** Courses have been slotted in above when they are frequently available, but this is subject to change

***Or both BIOL 161 and BIOL 162 Credit from AP/IB test or transfer*