

First Year

Fall		Winter		Spring		Notes & Milestones
Course	Credit	Course	Credit	Course	Credit	
Freshman Inquiry	5	Freshman Inquiry	5	Freshman Inquiry	5	¹ MTH 111 (or ALEKS score >60) is a pre- or co-requisite for ESM 220 and MTH 112. ² CH 121 Preparatory Chemistry recommended if no HS Chemistry
ESM 220 ¹	4	ESM 221	4	ESM 222	4	
ESM 150	1	GEOG 210	4	BS Social Science/Arts & Letters	4	
General Elective ²	3	MTH 112 ¹	4			
Total Credits	14	Total Credits	17	Total Credits	13	

Second Year

Fall		Winter		Spring		Notes & Milestones
Course	Credit	Course	Credit	Course	Credit	
Sophomore Inquiry	4	Sophomore Inquiry	4	Sophomore Inquiry	4	¹ Take Option 1: ESM 230&231(8 credits) OR Option 2: CH 221/227 & 222/228(10 credits) ² Take Option 1: 8 credits from SCI 341U, SCI 342U, and ESM 343 OR Option 2: BI 211/214, 212/215, and 213/216(15 credits, additional term needed).
Chemistry Core Option 1 or 2 ¹	4	Chemistry Core Option 1 or 2 ¹	4	ESM 335	4	
Biology Core Option 1 or 2 ²	4	Biology Core Option 1 or 2 ²	4	WR 327	4	
ESM 340	4	General Elective	4			
Total Credits	16	Total Credits	16	Total Credits	12	

Third Year

Fall		Winter		Spring		Notes & Milestones
Course	Credit	Course	Credit	Course	Credit	
Upper Division Cluster	4	Upper Division Cluster	4	Upper Division Cluster	4	¹ Take Option 1: G 424 or G 425(4 credits each), OR Option 2: GEOG 380U & GEOG 448(8 credits total).
ESM 330	4	ESM 333	4	ESM 435	4	
EC 332U	4	ESM 334	4	General Elective	4	
GIS Core Option 1 or 2 ¹	4	ESM 487	4	General Elective	4	
		ESM 407 Seminar	1			
Total Credits	16	Total Credits	15	Total Credits	16	

Fourth Year

Fall		Winter		Spring		Notes & Milestones
Course	Credit	Course	Credit	Course	Credit	
ESM 4XX Elective	4	ESM 4XX Elective	4	Senior Capstone	6	¹ List of approved courses available on the department website at www.pdx.edu/esm/environmental-science
ESM 4XX Elective	4	ESM Topical Area Elective ¹	4	ESM 4XX Elective	4	
ESM Topical Area Elective ¹	4	General Elective	4	ESM Topical Area Elective ¹	4	
General Elective	4	General Elective	3			
Total Credits	16	Total Credits	15	Total Credits	14	

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Fall		Winter		Spring		Notes & Milestones
Course	Credit	Course	Credit	Course	Credit	
Freshman Inquiry	5	Freshman Inquiry	5	Freshman Inquiry	5	¹ MTH 111 (or ALEKS score >60) is a pre- or co-requisite for ESM 220 and MTH 112. MTH 112(or ALEKS score >75) is a pre-req for MTH 251. ² CH 121 Preparatory Chemistry recommended if no HS Chemistry
ESM 220 ¹	4	ESM 221	4	ESM 222	4	
ESM 150	1	200 Level Geology or Physics	4	BS Social Science/Arts & Letters	4	
General Elective ²	3	MTH 112 or MTH 251 ¹	4			
Total Credits	14	Total Credits	17	Total Credits	13	

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Fall		Winter		Spring		Notes & Milestones
Course	Credit	Course	Credit	Course	Credit	
Sophomore Inquiry	4	Sophomore Inquiry	4	Sophomore Inquiry	4	¹ Take Option 1: ESM 230&231(8 credits) OR Option 2: CH 221/227 & 222/228(10 credits) ² Take Option 1: 8 credits from SCI 341U, SCI 342U, and ESM 343 OR Option 2: BI 211/214, 212/215, and 213/216(15 credits, additional term needed).
Chemistry Core Option 1 or 2 ¹	4	Chemistry Core Option 1 or 2 ¹	4	ESM 315 or CH 223&229(5 cr)	4	
Biology Core Option 1 or 2 ²	4	Biology Core Option 1 or 2 ²	4	WR 327	4	
ESM 340	4	BS Social Science/Arts & Letters	4	General Elective	4	
Total Credits	16	Total Credits	16	Total Credits	16	

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Fall		Winter		Spring		Notes & Milestones
Course	Credit	Course	Credit	Course	Credit	
Upper Division Cluster	4	Upper Division Cluster	4	Upper Division Cluster	4	¹ Take Option 1: G 424 or G 425(4 credits each), OR Option 2: GEOG 380U & GEOG 448(8 credits total).
ESM 320	4	ESM 321	4	ESM 322	4	
ESM 323	2	ESM 324	2	ESM 325	2	
GIS Core Option 1 or 2 ¹	4	General Elective	4	ESM 335	4	
Total Credits	14	Total Credits	14	Total Credits	14	

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Fall		Winter		Spring		Notes & Milestones
Course	Credit	Course	Credit	Course	Credit	
ESM 4XX Elective	4	ESM 4XX Elective	4	Senior Capstone	6	¹ List of approved courses available on the department website at www.pdx.edu/esm/environmental-science
ESM 4XX Elective	4	ESM Topical Area Elective ¹	4	ESM 4XX Elective	4	
ESM Topical Area Elective ¹	4	ESM 407 Seminar	1	ESM Topical Area Elective ¹	4	
General Elective	4	General Elective	4			
		General Elective	3			
Total Credits	16	Total Credits	16	Total Credits	14	