

OFFICE OF THE PRESIDENT

December 4, 2012

Dean Lisa J. Graumlich College of the Environment Box 355679

Dear Lisa:

Based on the recommendation of its Subcommittee on Admissions and Programs, the Faculty Council on Academic Standards has recommended approval of the change in program name from a Bachelor of Science degree in Environmental Science and Resource Management to a Bachelor of Science degree in Environmental Science and Terrestrial Resource Management; and revised program requirements for the Bachelor of Science degree in Environmental Science and Terrestrial Resource Management. A copy of the changes is attached.

I am writing to inform you that the School of Environmental and Forest Sciences authorized to specify these requirements beginning winter quarter 2013.

The new requirements should be incorporated in printed statements and in individual department websites as soon as possible. The *General Catalog* website will be updated accordingly by the Registrar's Office.

Sincerely yours,

Michael K. Young

President

Enclosure

cc: Ms. Michelle Trudeau (with enclosure)

Mr. Robert Corbett (with enclosure)

Dr. Deborah H. Wiegand (with enclosure)

Ms. Virjean Edwards (with enclosure ESRM-20121017)



UNIVERSITY OF WASHINGTON CREATING AND CHANGING UNDERGRADUATE ACADEMIC PROGRAMS

Control # ESEM- 2012 [017

After college/school/campus review, send a signed original and 1 copy to the Curriculum Office/FCAS, Box 355850. For information about when and how to use this form: http://depts.washington.edu/uwcr/1503instructions.pdf

1 of morniagion about							
College/Campus CoEnv/Seat	tle	Depart	ment/Unit Sch Env & For	Sciences	Date 17 Oct 2012		
New Programs Leading to a Bachelor of in degree.							
Leading to a Bachelor ofdegree with a major in							
Leading to a Option within the existing major in							
Leading to a minor in							
Changes to Existing Programs New Admission Requirements for the Major in within the Bachelor of							
Revised Admission Requi	Revised Admission Requirements for the Major in within the Bachelor of						
Revised Program Require	ments for the Major	in <u>ESRM</u> wi	thin the Bachelor of Science.				
Revised Requirements fo	r the Option in	_within the n	najor in				
Revised Requirements fo	r the Minor in						
Other Changes							
 ○ Change name of program from Environmental Science and Resource Management to Environmental Science and Terrestrial Resource Management. ○ New or Revised Continuation Policy for ○ Eliminate program in 							
Proposed Effective Date: Quarter:	☐ Autumn 🛭 Wint	er 🗌 Spring	☐ Summer Year: 20 <u>13</u>	<u>B</u>			
0		0.4500	For all, malabam Quar adv				
Contact Person: Michelle Trudeau	Pnone	e: 6-1533	Email: michtru@uw.edu	_	Box: 352100		
EXPLANATION OF AND RATIONAL	E FOR PROPOSED	CHANGE		_			
EXPLANATION OF AND RATIONAL For new program, please include letters of support and department	E FOR PROPOSED any relevant suppor al handouts. (<i>Use ad</i> Terrestrial' to o maintaining th	CHANGE ting docume dditional pag our ESRM e require	ntation such as student learninges if necessary). major name, deleting I	HCDE 321 s instead of	ojected enrollments, Technical Writing the general		
EXPLANATION OF AND RATIONAL For new program, please include letters of support and department The School is adding as a requirement, and locally	E FOR PROPOSED any relevant suppor al handouts. (<i>Use ad</i> Terrestrial' to o maintaining this will be man	change ting docume dditional pag our ESRM he require haged, rev	ntation such as student learning in the student learni	HCDE 321 s instead of y the SEFS	ojected enrollments, Technical Writing the general faculty.		
EXPLANATION OF AND RATIONAL For new program, please include letters of support and department The School is adding as a requirement, and locally catalog. The option course I The major name change is to	E FOR PROPOSED any relevant support all handouts. (Use according to the property of the proper	change ting docume dditional page our ESRM de require haged, rev	ntation such as student learning in the student learni	HCDE 321 s instead of y the SEFS ore accurate	ojected enrollments, Technical Writing the general faculty. Ely reflect the		
EXPLANATION OF AND RATIONAL For new program, please include letters of support and department The School is adding as a requirement, and locally catalog. The option course I The major name change is to focus of the major. The HCDE course is no long	E FOR PROPOSED any relevant support all handouts. (Use according to the property of the proper	change ting docume dditional page our ESRM the require haged, reviewed, school na our stude credits.	ntation such as student learning in the student learning in the state of the state	HCDE 321 is instead of y the SEFS ore accurate it as a requ	Technical Writing the general faculty. Ely reflect the sirement, but		
EXPLANATION OF AND RATIONAL For new program, please include letters of support and department The School is adding as a requirement, and locally catalog. The option course If the major name change is the focus of the major. The HCDE course is no long maintaining our number of reclassify, by locally maintaining change.	E FOR PROPOSED any relevant support all handouts. (Use and Terrestrial' to our maintaining the ists will be manually and the result of our per available to equired writing of our list of optical our list of optical and the result of optical our list of optical and the result of optical our list of optical and the result of optical our list of optical and the result of optical our list of optical and the result of optical our list of optical and the result of optical our list of optical and the result of optical our list of optical and the result of optical our list of optical our list of optical and the result of optical our list of our list of our list of optical our list of our list our list our list our list of our list	change ting docume dditional page our ESRM the require haged, reviewed, school na our stude credits.	ntation such as student learning in the student learning in the state of the state	HCDE 321 is instead of y the SEFS ore accurate it as a requ	Technical Writing the general faculty. Ely reflect the sirement, but		
EXPLANATION OF AND RATIONAL For new program, please include letters of support and department The School is adding as a requirement, and locally catalog. The option course If the major name change is the focus of the major. The HCDE course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is no long maintaining our number of results at the course is not not necessarily at the course is not	any relevant support all handouts. (Use and Terrestrial' to or maintaining the ists will be manually a result of our per available to equired writing of our list of options of the control of the contro	change ting docume dditional page our ESRM the require naged, revision school national our stude credits.	ntation such as student learning in the sif necessary). major name, deleting I deleting	HCDE 321 s instead of y the SEFS ore accurate it as a requ ange course o your existing	Technical Writing the general faculty. Ely reflect the airement, but the sas offerings		
EXPLANATION OF AND RATIONAL For new program, please include letters of support and department The School is adding as a requirement, and locally catalog. The option course If the major name change is the focus of the major. The HCDE course is no long maintaining our number of results, by locally maintaining change.	any relevant support all handouts. (Use and Terrestrial' to or maintaining the ists will be manually a result of our per available to equired writing of our list of options of the control of the contro	change ting docume dditional page our ESRM he require haged, rev school na our stude credits.	ntation such as student learning in the sif necessary). major name, deleting I deleting	HCDE 321 s instead of y the SEFS ore accurate it as a requ ange course o your existing	Technical Writing the general faculty. Ely reflect the airement, but the sas offerings		
EXPLANATION OF AND RATIONAL For new program, please include letters of support and department The School is adding as a requirement, and locally catalog. The option course If the major name change is the focus of the major. The HCDE course is no long maintaining our number of results all departments/units/ or coathe signature of the chair/director.	any relevant support all handouts. (Use and Terrestrial' to or maintaining the ists will be manually and the result of our level available to equired writing of our list of options of each department.	change ting docume dditional page our ESRM he require haged, rev school na our stude credits.	ntation such as student learning in the sif necessary). major name, deleting I deleting	HCDE 321 s instead of y the SEFS ore accurate it as a requ ange course o your existing	Technical Writing the general faculty. ely reflect the airement, but es as offerings		
EXPLANATION OF AND RATIONAL For new program, please include letters of support and department The School is adding as a requirement, and locally catalog. The option course If the major name change is the focus of the major. The HCDE course is no long maintaining our number of results all departments/units/ or coathe signature of the chair/director.	any relevant support all handouts. (Use and Terrestrial' to or maintaining the ists will be manually and the result of our level available to equired writing of our list of options of each department.	change ting docume dditional page our ESRM he require haged, rev school na our stude credits. on course affected by y funit listed.	ntation such as student learning in the sif necessary). major name, deleting I deleting	HCDE 321 s instead of y the SEFS ore accurate it as a requ ange course o your existing	Technical Writing the general faculty. ely reflect the airement, but es as offerings		

CATALOG COPY	
Catalog Copy as currently written. Include only sections/paragraphs that would be changed if your requi	jest is approved. Please cross
out of otherwise nightight any deletions.	lest is approved. Flease cross
See attached	
	•
PROPOSED CATALOG COPY	
Reflecting requested changes (Include exact wording as you wish it to be shown in the printed catalog. highlight any additions. If needed, attach a separate, expanded version of the changes that might appear Please note: all copy will be edited to reflect uniform style in the General Catalog.	Please underline or otherwise ar in department publications).
See attached	
APPROVALS	
	Deter
Chair/Program Director:	Date: 17 Oct 2012
College/School/Campus Curriculum Committee:	Date:
1990 and 19	26.000012
Dean/Vice Chancellor:	
high Fram	Date:
· ·	10/31/12
Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:	Date
Jeces Della	11/30/19
POST TRI-CAMPUS APPROVAL (when needed)	1,0114
Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:	
deality organization addity Assembly Orlan.	Date:
	1

Environmental Science and <u>TERRESTRIAL</u> Resource Management 180 credits, to include:

- 1. General Education Requirements (72-73 credits)
 - a. Written Communication (12 credits): 5 credits English composition (ENGL 131 preferred); HCDE 231; and seven additional credits, which are satisfied by core courses shown below.
 - b. Quantitative and Symbolic Reasoning (20 credits): Q SCI 291, Q SCI 292, Q SCI 381; ESRM 250.
 - c. Natural World (29-30 credits): BIOL 180, BIOL 200, and BIOL 220 (or BIOL 161 and BIOL 162); CHEM 120 and CHEM 220, or CHEM 142 (or CHEM 144) and CHEM 152 (or CHEM 154); ESRM 210 or ESS 210 or ESS 230/OCEAN 230 (5 credits only) or ESS 201 or ATM S 211.
 - d. Visual, Literary, & Performing Arts (VLPA) (10 credits): COM 202 or COM 220; five additional credits from the University VLPA list.
 - e. *Individuals & Societies (I&S) (10 credits):* ENVIR/ECON 235 or ECON 200 or ECON 201; and five additional credits, which are satisfied by core courses shown below.
- 2. Major Requirements (62 credits for the major):
 - a. Core Courses (17 credits): ESRM 200, ESRM 201, ESRM 300, ESRM 304.
 - b. Restricted Electives (Minimum 35 credits of 300- or 400-level courses from within the School of Environmental and Forest Sciences for the major; 29 to 36 35 credits may come from one of the specified option course lists described below): 15 of the credits must be at the 400 level.
 - c. Capstone (10 credits): ESRM 462 and ESRM 463 and ESRM 464; or ESRM 494 and ESRM 496; or ESRM 494 and ESRM 495
 - d. All ESRM courses must be completed with at least a 2.0 grade to count toward major requirements.
- 3. Free electives: As needed to bring minimum total to 180 credits.

Environmental Science and Resource Management voluntary program options:

All requirements for any of the four voluntary options are the same as for the major shown directly above. **SEE THE SCHOOL'S WEBSITE FOR COURSE LISTS**.

- 1. Landscape Ecology and Conservation Option (at least 35 credits from the following list): ESRM 350, ESRM 425, ESRM 427, ESRM 430, ESRM 441, ESRM 465, ESRM 470, Q SCI 482 AT LEAST 35 CREDITS FROM APPROVED LIST.
- 2. Restoration Ecology and Environmental Horticulture Option (35 credits from the following list): ESRM 331, ESRM 362, ESRM 415, ESRM 473 (or ESRM 479), ESRM 478, ESRM 480; two from ESRM 411, ESRM 412, ESRM 444, or ESRM 451 AT LEAST 35 CREDITS FROM APPROVED LIST.
- 3. Sustainable Forest Management Option (at least 35 credits from the following list): ESRM 323; ESRM 368; ESRM 430; ESRM 461; ESRM 470; ESRM 328 or ESRM 350 or ESRM 409 or ESRM 410 or ESRM 414 or ESRM 425 or ESRM 426 or ESRM 428; ESRM 315 or ESRM 381 or ESRM 420 or ESRM 425 or ESRM 425 or ESRM 444 or ESRM 468 or ESRM 490 (section by approval); ESRM 320 or ESRM 321 or ESRM 400 or ESRM 403 or ESRM 427 or ESRM 465 AT LEAST 35 CREDITS FROM APPROVED LIST.
- 4. Wildlife Conservation Option (35 credits from the following list): ESRM 350, ESRM 351, ESRM 441, ESRM 450, ESRM 455 (to be taken at least twice), ESRM 458, Q SCI 482 AT LEAST 35 CREDITS FROM APPROVED LIST.



OFFICE USE ONLY
Control #4

After college/school/campus review, send a signed original and 1 copy to the Curriculum Office/FCAS, Box 355850. For information about when and how to use this form: http://depts.washington.edu/uwcr/1503instructions.pdf

College/Campus CoEnv/Se	attle	Department/Unit sch	Env & For Sciences	Date 17 Oct 2012		
New Programs			·			
Leading to a Bachelor o	•					
Leading to a Bachelor o						
Leading to a Opt		najor in				
Leading to a minor in						
Changes to Existing Progr		within the Bachelor of	·····•			
Revised Admission Requirements for the Major in within the Bachelor of						
Revised Program Requi	rements for the Major i	n ESRM within the Bachelor of §	Science.			
Revised Requirements i			· · · · · · · · · · · · · · · · · · ·			
Revised Requirements I	or the Minor in					
Other Changes						
 ☐ Change name of programmed in the continuous contin	ation Policy for	Science and Resource Manager	nent to <u>Environmental S</u>	cience and Terrestrial		
Proposed Effective Date: Quarter:	: 🔲 Autumn 🔀 Winter	☐ Spring ☐ Summer Year:	20 13			
Contact Person: Michelle Trudeau	Phone:	6-1533 Email: michtru@uw	edu	Dow 050400		
			.eau	Box: 352100		
EXPLANATION OF AND RATIONAL	LE FOR PROPOSED (HANGE				
For new program, please include	any relevant supporting	HANGE and documentation such as stude				
For new program, please include letters of support and departmen The School is adding	e any relevant supportir ntal handouts. (<i>Use add</i> 'Terrestrial' to ou	HANGE ng documentation such as stude itional pages if necessary). r ESRM major name, de	nt learning outcomes, pro	jected enrollments,		
For new program, please include letters of support and departmen	e any relevant supportinated handouts. (<i>Use add</i> es 'Terrestrial' to ou by maintaining the	HANGE og documentation such as stude litional pages if necessary). r ESRM major name, de required lists of option of	nt learning outcomes, pro	jected enrollments, echnical Writing		
For new program, please include letters of support and department. The School is adding as a requirement, and locall	e any relevant supportinated handouts. (Use add 'Terrestrial' to ou y maintaining the lists will be mana	ing documentation such as stude litional pages if necessary). If ESRM major name, de required lists of option of ged, reviewed and appropriate in the students of the student	nt learning outcomes, pro eleting HCDE 321 T courses instead of to oved by the SEFS t	jected enrollments, echnical Writing he general faculty.		
For new program, please include letters of support and departmen The School is adding as a requirement, and locall catalog. The option course The major name change is to	e any relevant supportinated handouts. (Use add 'Terrestrial' to outly maintaining the lists will be mana the result of our se	ing documentation such as stude litional pages if necessary). In ESRM major name, derequired lists of option of ged, reviewed and appropriate the chool name change, and the students, so we are designed.	eleting HCDE 321 Toourses instead of tooved by the SEFS to to more accurately	jected enrollments, echnical Writing he general faculty. y reflect the		
For new program, please include letters of support and departmen. The School is adding as a requirement, and locall catalog. The option course. The major name change is to focus of the major. The HCDE course is no long.	e any relevant supportinated handouts. (Use addited in the Interestrial) to outly maintaining the lists will be manathe result of our supporting available to outle equired writing creating and the result of our supporting creating creating and the result of our supporting creating	ing documentation such as stude litional pages if necessary). It is the stude in th	eleting HCDE 321 Toourses instead of too wore accurately eleting it as a requirement.	jected enrollments, Technical Writing the general faculty. The general faculty is a second to the second the		
For new program, please include letters of support and department. The School is adding as a requirement, and locall catalog. The option course The major name change is the focus of the major. The HCDE course is no long maintaining our number of reclastly, by locally maintaining change.	e any relevant supportinated handouts. (Use add 'Terrestrial' to outly maintaining the lists will be manathe result of our second and the result of our second a	ing documentation such as stude litional pages if necessary). It is the stude in th	eleting HCDE 321 Toourses instead of too wore accurately eleting it as a requirement.	jected enrollments, Technical Writing the general faculty. The general faculty is a second to the second the		
For new program, please include letters of support and department. The School is adding as a requirement, and locall catalog. The option course The major name change is to focus of the major. The HCDE course is no long maintaining our number of received by locally maintaining change. OTHER DEPARTMENTS AFFECTED List all departments/units/ or co-a	e any relevant supportinated handouts. (Use add 'Terrestrial' to ouly maintaining the lists will be manathe result of our sequired writing creating our list of option	ing documentation such as stude litional pages if necessary). In ESRM major name, description of required lists of option of ged, reviewed and appropriate the students, so we are described by your new program or certed by your new program or cer	eleting HCDE 321 Toourses instead of tooved by the SEFS to to more accurately eleting it as a require to change courses	jected enrollments, echnical Writing the general faculty. y reflect the rement, but s as offerings		
For new program, please include letters of support and department. The School is adding as a requirement, and locall catalog. The option course The major name change is the focus of the major. The HCDE course is no long maintaining our number of reclastly, by locally maintaining change.	a any relevant supportinated handouts. (Use add 'Terrestrial' to ouly maintaining the lists will be manathe result of our sequired writing creating our list of option of each department/united handouts.	ing documentation such as stude litional pages if necessary). If ESRM major name, description of the required lists of option of the ged, reviewed and appropriately appr	eleting HCDE 321 Toourses instead of tooved by the SEFS to to more accurately eleting it as a require to change courses	jected enrollments, Technical Writing the general faculty. The general faculty faculty faculty. The general faculty faculty faculty faculty faculty. The general faculty f		
For new program, please include letters of support and department. The School is adding as a requirement, and locall catalog. The option course. The major name change is to focus of the major. The HCDE course is no long maintaining our number of received the major. Lastly, by locally maintaining change. OTHER DEPARTMENTS AFFECTED List all departments/units/ or co-atthe signature of the chair/director.	e any relevant supportinated handouts. (Use add 'Terrestrial' to ouly maintaining the lists will be manathe result of our sequired writing creating our list of option	ing documentation such as stude litional pages if necessary). If ESRM major name, description of the required lists of option of the ged, reviewed and appropriately appr	eleting HCDE 321 Toourses instead of tooved by the SEFS to to more accurately eleting it as a require to change courses	jected enrollments, echnical Writing he general faculty. y reflect the rement, but s as offerings		
For new program, please include letters of support and department. The School is adding as a requirement, and locall catalog. The option course. The major name change is to focus of the major. The HCDE course is no long maintaining our number of received the major. Lastly, by locally maintaining change. OTHER DEPARTMENTS AFFECTED List all departments/units/ or co-atthe signature of the chair/director.	a any relevant supportinated handouts. (Use add 'Terrestrial' to ouly maintaining the lists will be manathe result of our sequired writing creating our list of option of each department/united handouts.	identification in the stude of the students of	eleting HCDE 321 Tourses instead of tourses instead of toursed by the SEFS of the tourse accurately eleting it as a require to change course to change courses anges to your existing prest if necessary. *See onlines.	jected enrollments, Technical Writing the general faculty. Ty reflect the rement, but the sas offerings		

Environmental Science and <u>TERRESTRIAL</u> Resource Management 180 credits, to include:

- 1. General Education Requirements (72-73 credits)
 - a. Written Communication (12 credits): 5 credits English composition (ENGL 131 preferred); HCDE-231; and seven additional credits, which are satisfied by core courses shown below.
 - b. Quantitative and Symbolic Reasoning (20 credits): Q SCI 291, Q SCI 292, Q SCI 381; ESRM 250.
 - c. Natural World (29-30 credits): BIOL 180, BIOL 200, and BIOL 220 (or BIOL 161 and BIOL 162); CHEM 120 and CHEM 220, or CHEM 142 (or CHEM 144) and CHEM 152 (or CHEM 154); ESRM 210 or ESS 210 or ESS 230/OCEAN 230 (5 credits only) or ESS 201 or ATM S 211.
 - d. Visual, Literary, & Performing Arts (VLPA) (10 credits): COM 202 or COM 220; five additional credits from the University VLPA list.
 - e. Individuals & Societies (I&S) (10 credits): ENVIR/ECON 235 or ECON 200 or ECON 201; and five additional credits, which are satisfied by core courses shown below.
- 2. Major Requirements (62 credits for the major):
 - a. Core Courses (17 credits): ESRM 200, ESRM 201, ESRM 300, ESRM 304.
 - b. Restricted Electives (Minimum 35 credits of 300- or 400-level courses from within the School of Environmental and Forest Sciences for the major; 29 to 36 35 credits may come from one of the specified option course lists described below): 15 of the credits must be at the 400 level.
 - c. Capstone (10 credits): ESRM 462 and ESRM 463 and ESRM 464; or ESRM 494 and ESRM 496; or ESRM 494 and ESRM 495
 - d. All ESRM courses must be completed with at least a 2.0 grade to count toward major requirements.
- 3. Free electives: As needed to bring minimum total to 180 credits.

Environmental Science and Resource Management voluntary program options:

All requirements for any of the four voluntary options are the same as for the major shown directly above. **SEE THE SCHOOL'S WEBSITE FOR COURSE LISTS.**

- 1. Landscape Ecology and Conservation Option (at least 35 credits from the following list): ESRM 350, ESRM 425, ESRM 427, ESRM 430, ESRM 441, ESRM 465, ESRM 470, Q SCI 482 AT LEAST 35 CREDITS FROM APPROVED LIST.
- 2. Restoration Ecology and Environmental Horticulture Option (35 credits from the following list): ESRM 331, ESRM 362, ESRM 415, ESRM 473 (or ESRM 479), ESRM 478, ESRM 480; two from ESRM 411, ESRM 412, ESRM 444, or ESRM 451 AT LEAST 35 CREDITS FROM APPROVED LIST.
- 3. Sustainable Forest Management Option (at least 35 credits from the following list): ESRM 323; ESRM 368; ESRM 430; ESRM 461; ESRM 470; ESRM 328 or ESRM 350 or ESRM 409 or ESRM 410 or ESRM 414 or ESRM 425 or ESRM 426 or ESRM 428; ESRM 315 or ESRM 381 or ESRM 420 or ESRM 425 or ESRM 425 or ESRM 444 or ESRM 468 or ESRM 490 (section by approval); ESRM 320 or ESRM 321 or ESRM 400 or ESRM 403 or ESRM 427 or ESRM 465 AT LEAST 35 CREDITS FROM APPROVED LIST.
- 4. Wildlife Conservation Option (35 credits from the following list): ESRM 350, ESRM 351, ESRM 441, ESRM 450, ESRM 455 (to be taken at least twice), ESRM 458, Q SCI 482 AT LEAST 35 CREDITS FROM APPROVED LIST.