MONTANA STATE UNIVERSITY - DEPARTMENT OF LAND RESOURCES & ENVIRONMENTAL SCIENCES Degree Requirements for a B. S. in Environmental Sciences									
2016 - 2017 Catalog									
Name:	GID#	Date:		Graduating	Somester				
-	A minimum of 120 credits is required for graduation; at least 42 of these credits must be in courses numbered 300 and above. ALL DEPARTMENTAL REQUIREMENTS & THEIR PREREQUISITES MUST BE A GRADE OF C- OR BETTER								
GRADUATION WORKSHEETS ARE DUE ONE YEAR BEFORE GRADUATION									
DEPARMENTAL REQUIREMENTS: 61-63 Credits									
Subject/#	Course Title	Credits	Semester	Year	EXCEPTIONS				
Freshman Year									
ENSC 110	Land Resources & Environmental Sci	3	F						
BIOB 170IN	Principles of Biological Diversity	4	F S (F)						
CHMY 141	College Chemistry I	4	F S Su (F)						
BIOB 160	Principles of Living Systems	4	F S (S)						
CHMY 143	College Chemistry II	4	F S Su (S)						
M 161Q (or higher)	Survey of Calculus	4	F S Su (S)						
WRIT 101W	College Writing I	3	F S Su						
WRIT 101W is v	vaived with an ACT English Score of 28 or h	igher, an SAT	Critical Writi	ng score of	650 or higher,				
an MUS Writing Assessment of 5.5, or an ACT/SAT essay/writing subscore of 11.									
US CORE	University Seminar	3	F S Su						
Sophomore Year		Credits	Semester	Year	EXCEPTIONS				
ENSC 245IN	Soils	3	F						
GPHY 284	Intro to GIS Science & Cartography	3	F S (F)						
GPHY 262 or	Spatial Sci Tech & Application	3	S						
PHSX 205	College Physics I	4	F S Su (F)						
ENSC 260	Evolution for Environ Scientists	3	S						
WRIT 201	College Writing II	3	F S Su (S)						
STAT 216 (or higher)	Intro to Statistics	3	F S Su (S)						
University Core		12							
Junior Year	•	Credits	Semester	Year	EXCEPTIONS				
ENSC 353	Environmental Biogeochemistry	3	F						
ENSC 464 or	Computational Techniques Envir Sci	1	S						
ENSC 465	Environmental Biophysics I	3	S						
NRSM 240 or	Natural Resource Ecology	3	F						
BIOE 370	General Ecology	3	F S						
Restricted & Free Electives		21-23							
Senior Year		Credits	Semester	Year	EXCEPTIONS				
ENSC 444	Watershed Hydrology	3	F						
ENSC 499R	LRES Capstone	3	F						
NRSM 430 or	Natural Resource Law	3	S						
PSCI 362	Natural Resource Policy	3	S						
Restricted & Free Electives		21							
CORE 2.0 REQUIREMENTS - Must be a grade C- or better		Semester	Year		Course				
Seminar (US)									
College Writing (W)*									
Quantitative Reasoning (Q)*									
Diversity (D)									
Contemporary Issues in Scienc									
Arts (IA or RA)									
Humanities (IH or RH)									
Social Sciences (IS or RS)									
Natural Science (IN or RN)*									
<b>Research &amp; Creative Experienc</b>	eR (R, RA, RH, RN or RS)	1							

\*Satisfied by departmental requirements

Each student shall work closely with their faculty advisor to plan an integrated set of elective courses appropriate to their academic and professional goals.								
<b>RESTRICTED ELECTIVES - Choose</b>	e at least 21 credits of directed electives f	rom the foll	owing:					
Subject/#	Course Title	F	S	Year	EXCEPTIONS			
AGSC 401	Integrated Pest Management	3						
AGSC 428	Sustainable Cropping Systems		3					
BIOE 375	Ecological Response Climate Change		3					
BIOE 408	Rocky Mountain Vegetation	2						
BIOE 416 (Summer)	Alpine Ecology		3					
BIOE 422 (odd years)	Insect Ecology		3					
BIOE 428	Freshwater Ecology	3						
BIOE 455	Plant Ecology		3					
BIOM 415 (even years)	Microbial Diver, Ecology & Evol		3					
BIOM 452	Soil & Environ Microbiology		3					
ENSC 407	Environmental Risk Assessment	3						
ENSC 410R	Biodiver Surv & Monitor Methods	3						
ENSC 443	Weed Ecology & Management	3						
ENSC 445	Watershed Analysis		3					
ENSC 448	Stream Restoration Ecology	3						
ENSC 460	Soil Remediation		3					
ENSC 461	Restoration Ecology	3						
ENSC 468	Ecosystem Biogeochemistry		3					
ERTH 307	Prin of Geomorphology	3						
ERTH 432R	Surface Water Resouces		3					
GPHY 357	GPS Fund/Apps in Mapping	3						
GPHY 384	Adv GIS & Spatial Analysis	3	3					
GPHY 426	Remote Sensing		3					
GPHY 429R	Applied Remote Sensing		3					
GPHY 457	Adv GPS Mapping for GIS	3						
GPHY 484R	Applied GIS & Spatial Analysis		3					
NRSM 421	Holistic Thought & Management		4					
NRSM 455	Riparian Ecololgy & Management		3					
WILD 438	Wildlife Habitat Ecology		3					
FREE ELECTIVES - Choose 21-23	credits of free electives, 15 of which must	t be 300/400	) level.					
Subject/#	Course Title	Credits	Semester	Year	EXCEPTIONS			
Because some courses are offere	ed alternate years, the proposed scheduling	g of courses	in junior and	senior yeaı	rs may need to be modified.			
	Work with your advisor for yo	-	-					
LRES Majors: ENSC 490	Undergrad Research, ENSC 492 Independe			ernship is s	strongly recommended.			
Aug 2016								
Student: Date:								
Advisor: Date:								
Certifying Officer:				Date:				