MONTANA STATE UNIVERSITY - DEPARTMENT OF LAND RESOURCES & ENVIRONMENTAL SCIENCES  Degree Requirements for a B. S. in Environmental Sciences  2015 - 2016 Catalog								
Name:	GID#	Date:		Graduating Semester:				
ALL DEPARTMENTAL REQUIRE GRADUATION WORKSHEETS A	equired for graduation; at least 42 of these cre EMENTS & THEIR PREREQUISITES MUST BE A G ARE DUE ONE YEAR BEFORE GRADUATION			mbered 300 (	and above.			
DEPARMENTAL REQUIREMEN		1						
Subject/#	Course Title	Credits	Semester	Year	EXCEPTIONS			
Freshman Year	l 1 B	2	_					
ENSC 110	Land Resources & Environmental Sciences	3	F 5 (5)					
BIOB 170IN	Principles of Biological Diversity	4	F S (F)					
BIOB 160	Principles of Living Systems	4	F S (S)					
CHMY 141	College Chemistry I	4	F S Su (F)					
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	:				
	ACT English Score of 28 or higher, an SAT Critico		re of 650 or n	igner,				
US CORE	of 5.5, or an ACT/SAT essay/writing subscore of	3	F C C					
Sophomore Year	University Seminar	Credits	F S Su Semester	Voor	EVCENTIONS			
ENSC 245IN	Soils	3	F	Year	EXCEPTIONS			
ENSC 260	Evolution for Environmental Scientists	3	S					
GPHY 262 or	Spatial Sci Tech & Application	3	S					
GPHY 284	Intro to GIS Science & Cartography	3	F S (F)					
PHSX 205	College Physics I	4	F S Su (F)					
WRIT 201	College Writing II	3	F S Su (S)					
STAT 216 (or higher)	Intro to Statistics	3	F S Su (F)					
University Core & Electives	intro to statistics	12	1 3 3u (1)					
Junior Year		Credits	Semester	Year	EXCEPTIONS			
ENSC 353	Environmental Biogeochemistry	3	F	100.	EXCLI HONO			
ENSC 464 or	Computational Techniques for Envir Sci	1	S					
ENSC 465	Environmental Biophysics I	3	S					
NRSM 240 or	Natural Resource Ecology	3	F					
BIOE 370	General Ecology	3	S					
University Core & Electives	3.5.5.6	21-23						
Senior Year		Credits	Semester	Year	EXCEPTIONS			
ENSC 444	Watershed Hydrology	3	F					
NRSM 430 or	Natural Resource Law	3	S	Ĭ				
PSCI 362	Natural Resource Policy	3	S	Ĭ				
ENSC 499R	LRES Capstone	3	F	Ĭ				
University Core & Electives	·	21						
CORE 2.0 REQUIREMENTS - M	ust he a grade C- or hetter	Semester	Year		Course			
Seminar (US)	ust be a grade e or better	Semester	rear		Course			
College Writing (W)*								
Quantitative Reasoning (Q)*								
Diversity (D)								
	e (CS)* 2nd IN Course will apply to CS							
Arts (IA or RA)	- (,							
Humanities (IH or RH)								
Social Sciences (IS or RS)								
Natural Science (IN or RN)*								
Research & Creative ExperienceR (R, RA, RH, RN or RS)								

<sup>\*</sup>Satisfied by departmental requirements

<b>RESTRICTED ELECTIVES - Choo</b>								
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 (Spring odd years)	Insect Ecolopgy		3					
BIOE 428	Freshwater Ecology	3						
BIOE 455	Plant Ecology		3					
BIOM 415 (Spring odd years)	Microbial Diversity, Ecology & Evolution		3					
BIOM 452 (Spring even years)	Soil & Water Environmental Microbiology		3					
ENSC 407	Environmental Risk Assessment	3						
ENSC 410R	Biodiversity Survey & Monitoring 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	4						
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					
		/						
	3 credits of free electives, 15 of which must be	1						
Subject/#	Course Title	Credits	Semester	Year	EXCEPTIONS			
Decayles come colleges are offer	and alternate verse the averaged school-line of	and the second second	nior and soni		an pand to be madified			
Because some courses are offered alternate years, the proposed scheduling of courses in junior and senior years may need to be modified.								
Work with your advisor for your individual schedule.								
LRES Majors: ENSC 490 Undergrad Research, ENSC 492 Independent Study or ENSC 498 Internship is strongly recommended.								
Student: Date:								
Date.								
Advisor: Date:								
Certifying Officer:	ertifying Officer: Date:							