MONTANA ST	TE UNIVERSITY - COLLEGE OF AGRICULT	URF						
Department of Land Percentros & Environmental Sciences								
Degree Beguir	amonte for a P.S. in Environmental Scient		P. Mator Sci	ianca Onti	tion			
Degree Require				ience Opti				
2012-2014 Cata								
Name:	ID#:			Date:	Graduating Semester:			
Total semester	r credits must equal a minimum of 120 c	redits; To	tal upper d	ivision mu	ust equal a minimum of 42 credits			
ALL DEPARTM	ENTAL REQUIREMENTS & THEIR PREREQ	UISITES N	IUST BE A C	SRADE OF	F C- OR BETTER			
APPLICATIONS	FOR BACCALAUREATE ARE DUE ONE YEA	AR BEFOR	RE GRADUA	TION!				
DEPARTMENTA								
Subject/#		Credits	Sem	Year	Sub/Transfer/Comments			
ENSC 110	Land Resources & Environ Sci	3	F					
BIOB 170IN	Prin Biological Diversity	4	FS					
BIOB 160	Prin of Living Systems	4	FS					
CHMY 141	College Chemistry I	4	F S Su					
CHMY 143	College Chemistry II	4	F S Su					
ERTH 101IN	Earth System Science	4	FS					
Take one of the f	ollowing two semester Math Sequences:		1					
M 165Q &	Calculus for Technology I	3	FS					
M 166Q	Calculus for Technology II	3	FS					
OR			-	1				
M 171Q &	Calculus I	4	F S Su					
M 172Q	Calculus II	4	F S Su					
WRIT 101W	College Writing I	3	F S Su					
WRIT 101W is w	aived with an ACT English Score of 28 or high	er, an SAT	Critical Writ	ting score o	of 650 or higher,			
an MUS Writing	Assessment of 5.5, or an ACT/SAT essay/writ	ing subsco	ore of 11.					
Take one of the f	following:		-					
NRSM 240	Natural Res Ecology	3	F					
BIOE 370	General Ecology	3	S					
CHMY 211	Elements Organic Chemistry	5	FS					
ENSC 245IN	Soils	3	F					
PHSX 205	College Physics I	4	F S Su					
WRIT 201	College Writing II	3	FS					
Take one of the f	following:		-					
BIOB 318	Biometry	3	F					
STAT 216Q	Intro to Statistics	3	F S Su					
ENSC 353	Environmental Biogeochemistry	3	F					
BIOM 452	Soil & Environ Microbiology	3	S'od					
BIOE 428	Freshwater Ecology	3	F					
ENSC 444	Watershed Hydrology	3	F					
ENSC 445	Watershed Analysis	3	S					
ENSC 448	Stream Restoration Ecology	3	F					
ENSC 454	Landscape Pedology	3	F					
ENSC 465	Environmental Biophysics	3	S					
ENSC 468	Ecosystem Biogeochemistry/Global Change	3	S					
ENSC 499R	Capstone	3	F					

ADVANCED ELECTIVE COURSES - CREDITS REQUIRED: 18

Students must work with their advisor to develop a list of advanced courses based on academic and professional goals. Before their Senior year, and before taking any of the proposed credits, students must submit this list with a written statement justifying the courses selected for approval by the dept.

Subject/#	Course Title	Cr	Semester	Year	Sub/Transfer/Comments
GPHY 357	GPS Fund & App in Mapping	3	F		
BIOM 415	Microbial Diversity Ecol Evol	3	S'ev		
GPHY 426	Remote Sensing Digital Image	3	F		
ENSC 460	Soil Remediation	3	S		
ENSC 461	Restoration Ecology	3	F		
Take one of the following:					
NRSM 421	Holistic Thought & Management	4	S		
NRSM 430	Natural Resource Law	3	S		
PSCI 362	Natural Resource Policy	3	S'ev		
Take one of the f	following:				
ERTH 432R	Surface-Water Resource	3	F'od		
GEO 420	Hydrogeology	3	F'ev		
BIOO 433	Plant Physiology	4	S		
EENV 441	Natural Treatment Syst	3	S		
ENSC 407	Environmental Risk Assessment	3	F'od		
ENSC 410R	Biodiversity: Methods	3	F		
ERTH 307	Principles of Geomorphology	4	F		
CHMY 311	Analy Chem-Quant Analys	4	S		
GPHY 429R	Applied Remote Sensing	3	S		
GPHY 284	Intro GIS & Cartography	3	FS		
GPHY 384	Adv GIS & Spatial Analysis	3	FS		
GPHY 484R	Appl GIS & Spatial Analysis	3	S		

LRES MAJORS: ENSC 492 Independent Study, ENSC 498 Internship or ENSC 490 Undergrad Research is strongly recommended.

Core 2.0 Requirements (Must be a grade C- or better)					
University Seminar (US)		r			
College Writing (W)					
Quantitative Reasoning (Q)		С			
Diversity (D)		С			
Contemp Issues in Science (CS)		re			
Arts (IA, RA)		В			
Humanities (IH, RH)		В			
Natural Sciences (IN, RN)		С			
Social Sciences (IS or RS)		E			
Research (R, RA, RH, RN, RS)		Ν			
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Completion of UH 202 satisfies the IH requirement.

Completion of at least two of the following courses satisfies both the CS and the IN requirements: BIOB 110, 160, 170, 256, 258, 260; BIOH 201 211; BIOM 210, 250; BIOO 220; CHMY 121, 123, 141, 143, 151, 153, 211; ERTH 101; ENSC 245; GEO 103, 205, 211;

NRSM 240;

PHSX 205, 207, 220, 222, 224, 240, 242;

Total Credits:

Upper Division:

Student Signature

Date

Advisor Signature

Date

Certifying Officer Signature

Date