

MONTANA STATE UNIVERSITY - COLLEGE OF AGRICULTURE

Department of Land Resources & Environmental Sciences

Degree Requirements for a B.S. in Land Resource Sciences/Agroecology Option

2008-2010 Catalog Curriculum: LRAg

Name of Student: _____ **ID#** _____ **Date:** _____

**Total semester credits must equal a minimum of 120 credits; Total upper division must equal a minimum of 42 credits
ALL DEPARTMENTAL REQUIREMENTS & THEIR PREREQUISITES MUST BE A GRADE OF C- OR BETTER**

DEPARTMENTAL REQUIREMENTS				
Dept/#	Subject	Sem	Year	Cr
LRES 110	Land Resources & Environ Sci	F		3
BIOL 101IN	Organismal Biology	F S		4
<i>Take one of the following:</i>				
BIOL 102	Molecular & Cellular Biology	F S		4
PSPP 102CS	Plant Sci Resources & Environ	S		3
CHEM 131	General Chemistry I	F S Su		4
CHEM 132	General Chemistry II	F S Su		4
ECON 101IS	Econ Way of Thinking	F S		3
ENGL 121W	College Writing I	F S Su		3
<i>ENGL 121W is waived with an ACT English Score of 28 or higher, an SAT Critical Writing score of 650 or higher, an MUS Writing Assessment of 5.5, or an ACT/SAT essay/writing subscore of 11.</i>				
<i>Take one of the following:</i>				
MATH 170Q	Survey of Calculus	F S Su		4
MATH 175Q	Calculus Technology I	F S		3
MATH 181Q	Calculus Analytical Geometry	F S Su		4
<i>Students who anticipate graduate study or technical employment are strongly advised to complete a two-semester calculus sequence 175 - 176 or 181 - 182</i>				
<i>Take one of the following:</i>				
ARNR 240	Natural Res Ecology	F		3
BIOL 303	Principles of Ecology	S		3
CHEM 215	Elements Organic Chemistry	F S		5
ENGL 221	College Writing II	F S		3
LRES 201N	Soil Resource	F		3
PHYS 205	College Physics I	F S Su		4
<i>Take one of the following:</i>				
PSPP 318	Biometry	F		3
STAT 216Q	Elementary Statistics	F S Su		3
BCHM 340	General Biochemistry	F S Su		5
BIOL 301	Principles of Genetics	F S		3
LRES 310	Professional Preparation	S		1
LRES 351	Nutrient Cycling	S		3
MB 301	General Microbiology	F S		5
<i>Take one of the following:</i>				
PSPP 341	Field Crop Production	S'ev		3
PSPP 342	Forages	F		3
LRES 401	Integrated Pest Mgmt	S'ev		3
LRES 428	Crop Systems Sustainable Ag	S'od		3
LRES 441	Capstone 1 Field Applic LRES	S		1
LRES 442R	Capstone 2 Field Applic LRES	F		3
LRES 443	Weed Ecology & Mgmt	F		3
PSPP 421	Concepts Plant Pathology	S		3

DEPARTMENTAL REQUIREMENTS Continued				
Dept/#	Subject	Sem	Year	Cr
Take 3 courses from the following:				
LRES 357	GPS Fund Applic Mapping	F S		3
LRES 426	Remote Sens Digital Imaging	F		3
GEOG 211	Intro Geographyc Info Science	F S		3
GEOG 305	Adv Geographic Info Science	F S		3
Take 2 courses from the following:				
LRES 421	Holistic Thought & Mgmt	S		4
ECON 332	Econ of Natural Resources	F		3
POLS 450	Natural Resource Policy	S		3
Take 3 courses from the following:				
LRES 415	Micro Divers Ecol Evol	S'ev		3
LRES 452	Soil & Environ Microbiology	S'od		3
BIOL 403	Evolution	S		3
BIOL 430	Plant Physiology	S		3
BIOL 436	Plant Systematics	F'ev		3

SUBSTITUTIONS FOR REQUIRED COURSES					
Dept/#	Subject	Cr	FOR	Dept/#	Cr

**An independent research project or internship is strongly recommended for LRES majors:
LRES 470 Independent Study; LRES 476; LRES 490 Undergrad Research**