

MONTANA STATE UNIVERSITY - COLLEGE OF AGRICULTURE
Department of Plant Sciences and Plant Pathology
Degree Requirements for a B.S. in Environmental Horticulture/Landscape Design Option
2012-2014 Catalog Curriculum: ENHD/LDSN

Name: _____ **ID#:** _____ **Date:** _____ **Graduating Semester:** _____

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

APPLICATIONS FOR BACCALAUREATE ARE DUE ONE YEAR BEFORE GRADUATION!

DEPARTMENTAL REQUIREMENTS

Subject/#	Course Title	Cr.	Sem	Year	Grade	Prerequisites/Substitutions/Transfers/Comments
Freshman Year						
ARCH 151RA	Design Fundamental I	4	F			
BIOB 170IN	Prin Biological Diversity (BIOL 101)	4	F S			
CHMY 121IN	Intro to Gen Chemistry (CHEM 121)	4	F S Su			
M 145Q	Liberal Arts Math (MATH 150)	3	F S Su			
BIOB 110CS	Introduction to Plant Biology	3	S			
HORT 131	Landscape History/Theory	3	S			
HORT 105	Miracle Growing	3	S			
WRIT 101W	College Writing I (ENGL 121)	3	F S Su			

WRIT 101W 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.

Sophomore Year						
ENSC 245IN	Soils	3	F			
HORT 231	Woody Ornamentals	3	F			
HORT 232	Herbaceous Ornamentals	3	S			
HORT 225	Landscape Graphics I	3	F			
HORT 226	Landscape Graphics II	3	S			
EGEN 115	Engineering Design Graphics	1	F S			
EGEN 116	Engineering Design Graphics Lab	1	F S			

Take two of the following:

ART 145RA	Web Design	3	F S			
AGED 312R	Communicating Agriculture	3	S (alt)			
BMGT 205	Professional Communication Fund.	3	F S Su			
BMIS 211	Business Software Applications	3	F S			
SPNS 101	Spanish I (MLS 101)	4	F Su (alt)			
WRIT 201	College Writing II (ENGL 221)	3	F S Su			
WRIT 221	Technical Writing (ENGL 223)	3	F S			

Junior Year						
HORT 331	Planting Design	3	F			
HORT 310	Turfgrass Management	3	F			
HORT 335	Site Development	4	S			
HORT 336	Landscape Construction	4	S			

Take two of the following:

ACTG 201	Principles of Financial Accounting	3	F S Su			
ACTG 202	Principles of Managerial Accounting	3	F S Su			
BMGT 335	Management & Organization	3	F S Su			
BMKT 325	Principles of Marketing	3	F S Su			
ECIV 308	Construction Practice	3	F S			
BMGT 448	Entrepreneurship	3	F			

Senior Year						
HORT 498	Internship	3 to 6	F S Su			
HORT 432	Advanced Landscape Design	4	F			

Take two of the following:

HORT 245	Plant Propagation	3	S			
HORT 343	Commercial Plant Production	3	S			
HORT 345	Organic Market Gardening	3	Su			

Take three of the following from a specialization track:

APPLIED- ART/DESIGN/ARCHITECTURE:

ARTZ 106RA	2-D Art Fundamentals	4	F S			
ARTZ 105RA	Drawing Fundamentals	3	F S			
ARTZ 108RA	3-D Art Fundamentals	4	S			
ARTZ 211RA	Drawing I	4	F S Su			PREREQ: ARTZ 106RA, ARTZ 105RA
GDSN 223	Design Principles	4	F			PREREQ: ARTZ 106RA & ARTZ 108RA & ARTZ 105RA
GDSN 224	Form & Content	4	S			PREREQ: GDSN 223
GDSN 374	Digital Visualization	5	S			PREREQ: GDSN 224 & PASSING PORTFOLIO
ARCH 152	Design Fundamentals II	4	S Su			PREREQ: ARCH 151 OR ADV. PLACEMENT APPROVED PORTFOLIO
ARCH 450	Community Design Center	5	On Demand			PREREQ: ARCH 355 OR INSTRUCTOR CONSENT

HISTORY- ART/DESIGN/ARCHITECTURE:					
ARTH 200IA	Art Of World Civilization I	4	F		
ARTH 201IA	Art Of World Civilization II	4	S		
ARTH 360	Hist Asian Art & Arch	3	S (alt)		PREREQ: ARTH 200 OR ARTH 201
ARTH 410-440	Upper Division Art History	3	F S Su (alt)		PREREQ: ARTH 200 AND/OR ARTH 201
ARCH 322IA	World Architecture I	3	F		PREREQ: JUNIOR STANDING FOR NON-MAJORS, WRIT 101W
ARCH 323IA	World Architecture II	3	S		PREREQ: JUNIOR STANDING FOR NON-MAJORS, WRIT 101W
ARCH 424-427	Arch History/Theory	3	On Demand		PREREQ: ARCH 322 & ARCH 323

PLANT, WATER & LAND ECOLOGY:					
BIOE 370	General Ecology	3	S		PREREQ: BIOB 170 OR BIOB 258; M 121 OR M 161 OR M 171 (STAT 216 OR BIOE 318)
BIOE 408	Rocky Mountain Vegetation	2	F		PREREQ: JUNIOR OR SENIOR STANDING IN BIOL. SCIENCES & INSTRUCTOR CONSENT
BIOE 416	Alpine Ecology	3	Su		PREREQ: JUNIOR STANDING & BIOB 170
BIOE 421	Yellowstone Wildlife Ecology	3	Su		PREREQ: JUNIOR STANDING & EITHER BIOB 100 OR BIOB 170
BIOE 428	Freshwater Ecology	3	F		PREREQ: BIOE 370 OR INSTRUCTOR CONSENT
ENSC 272CS	Water Resources	3	F		
ENSC 370	Water Quality	3	S		PREREQ: CHMY 121 OR CHMY 151 & COLLEGE LEVEL ALGEBRA OR EQUIV.
ENSC 444	Watershed Hydrology	3	F		PREREQ: GPHY 111, ENSC 110, ENSC 245 (OR EQUIV. UNDERSTANDING)
ENSC 448	Stream Restoration Ecology	3	F		PREREQ: BIOB 170 & EITHER NRSM 240 OR BIOE 370; COREQ: ENSC 461 OR BIOE 428
NRSM 101	Natural Resource Conservation	3	F		
NRSM 240	Natural Resource Ecology	3	F		PREREQ: NRSM 101
NRSM 330	Fire Ecology & Management	3	F		PREREQ: NRSM 101 OR NRSM 240 OR BIOE 370
NRSM 350	Vegetation of Western Wildlands	3	S		PREREQ: NRSM 240, BIOO 230 & EITHER AGSC 454 or BIOO 435; COREQ: NRSM 351
NRSM 421	Holistic Thought Management	4	S		PREREQ: JUNIOR STANDING
NRSM 453	Habitat Inventory and Analysis	3	F		PREREQ: NRSM 240 OR BIOE 370, STAT 216 OR BIOB 318 & JUNIOR STANDING
WILD 438	Wildlife Habitat Ecology	3	S		PREREQ: NRSM 240 OR BIOE 370 OR INSTRUCTOR CONSENT

PLANNING:					
GPHY 111CS	Physical Geography (ESCI 112)	4	F S		
GPHY 121D	Human Geography	3	F		
GPHY 325	Cultural Geography	3	F (alt)		PREREQ: GPHY 121
GPHY 365	Geographical Planning	3	S		PREREQ: GPHY 141 & GPHY 121
GPHY 445	Regional Geography	3	On Demand		PREREQ: TWO OF THE FOLLOWING- GPHY 111, GPHY 114, GPHY 121

GIS/GPS:					
GPHY 284	Intro to GIS	3	F S		PREREQ: CAPP 120- INTRO. TO COMPUTERS OR EQUIV. KNOWLEDGE
GPHY 357	Fund/Applications in Mapping	3	F S		PREREQ: GPHY 284
GPHY 384	Advanced GIS Spatial Analysis	3	F S		PREREQ: GPHY 284

CONSTRUCTION:					
AGED 333	Construction Tech	3	F		
ARCH 241	Building Construction I	3	F		
CE 201	Surveying	3	F S Su		PREREQ: M 165 OR M 171 OR M 181 & EGEN 116
ECIV 307	Construction Estimating & Bidding	3	F S		PREREQ: ECIV 202 OR ETCC 204 & ECIV 308

Core 2.0 Requirements (Must be a grade C- or better)	Cr.	Sem	Year	Grade	Transfer/Comments
Seminar (US)					
College Writing (W)					
Quantitative Reasoning (Q)					
Diversity (D)					
Contemporary Issues in Science (CS)					
Arts (IA, RA)					
Humanities (IH, RH)					
Natural Sciences (IN, RN)					
Social Sciences (IS or RS)					
Research (R, RA, RH, RN, R)					

Total Credits:	Upper Division:
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Student Signature	Date	Dept. Certifying Officer Signature	Date
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Advisor Signature	Date
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