

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
2015-2016 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, Su			
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	F			
HORT 105	Miracle Growing	3	F			
WRIT 101W	College Writing I (ENGL 121)	3	F S Su			
<i>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.</i>						
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 Graphics	1	F S			
<i>Select two of the following:</i>						
MART 145RA	Web Design (ART 145RA)	3	F S			
AGED 312R	Communicating Agriculture	3	F			
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 S Su			
WRIT 201	College Writing II (ENGL 221)	3	F S			
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			
<i>Select two of the following:</i>						
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 432	Advanced Landscape Design	4	F			
HORT 440	Urban Planning & Design	4	S			
<i>Select two of the following:</i>						
HORT 245	Plant Propagation	3	S			
HORT 343	Commercial Plant Production	3	S			
HORT 345	Market Gardening	3	Su			
<i>Select three of the following from a specialization track:</i>						
APPLIED- ART/DESIGN/ARCHITECTURE:						
ARTZ 105RA	Drawing Fundamentals	3	F 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
ARTH 201IA	Art Of World Civilization II
ARTH 360	Hist Asian Art & Arch
ARTH 410-440	Upper Division Art History
ARCH 322IA	World Architecture I
ARCH 323IA	World Architecture II
ARCH 424-427	Arch History/Theory

4	F			
4	S			
3	S (alt-odd)			PREREQ: ARTH 200 OR ARTH 201
3	various			PREREQ: ARTH 200 AND/OR ARTH 201
3	F			PREREQ: JUNIOR STANDING FOR NON-MAJORS, WRIT 101W
3	S			PREREQ: JUNIOR STANDING FOR NON-MAJORS, WRIT 101W
3	On Demand			PREREQ: ARCH 322 & ARCH 323

PLANT, WATER & LAND ECOLOGY:

BIOE 370	General Ecology
BIOE 408	Rocky Mountain Vegetation
BIOE 416	Alpine Ecology
BIOE 421	Yellowstone Wildlife Ecology
BIOE 428	Freshwater Ecology
ENSC 272CS	Water Resources
ENSC 444	Watershed Hydrology
ENSC 448	Stream Restoration Ecology
NRSM 101	Natural Resource Conservation
NRSM 240	Natural Resource Ecology
NRSM 330	Fire Ecology & Management
NRSM 350	Vegetation of Western Wildlands
NRSM 421	Holistic Thought Management
NRSM 453	Habitat Inventory and Analysis
WILD 438	Wildlife Habitat Ecology

3	S			PREREQ: BIOB 170IN OR BIOB 258; M 121 OR M 161 OR M 171 (STAT 216 OR BIOE 318)
2	F			PREREQ: JUNIOR OR SENIOR STANDING IN BIOL. SCIENCES & INSTRUCTOR CONSENT
3	Su			PREREQ: JUNIOR STANDING & BIOB 170
3	Su			PREREQ: JUNIOR STANDING & EITHER BIOB 100 OR BIOB 170
3	F			PREREQ: BIOE 370 OR INSTRUCTOR CONSENT
3	F			
3	F			PREREQ: GPHY 111, ENSC 110, ENSC 245 (OR EQUIV. UNDERSTANDING)
3	F			PREREQ: BIOB 170 & EITHER NRSM 240 OR BIOE 370; COREQ: ENSC 461 OR BIOE 428
3	F			
3	F			PREREQ: NRSM 101
3	F			PREREQ: NRSM 101 OR NRSM 240 OR BIOE 370
3	S			PREREQ: NRSM 240, BIOO 230 & EITHER AGSC 454 or BIOO 435; COREQ: NRSM 351
4	S			PREREQ: JUNIOR STANDING
3	F			PREREQ: NRSM 240 OR BIOE 370, STAT 216 OR BIOB 318 & JUNIOR STANDING
3	S			PREREQ: NRSM 240 OR BIOE 370 OR INSTRUCTOR CONSENT

PLANNING:

GPHY 121D	Human Geography
GPHY 321	Urban Geography
GPHY 325	Cultural Geography
GPHY 365	Geographical Planning
GPHY 411	Biogeography
GPHY 445	Regional Geography

3	F			
3	S (alt-odd)			PREREQ: GPHY 121D OR STAT 216Q
3	F (alt-odd)			PREREQ: GPHY 121
3	S			PREREQ: GPHY 141 & GPHY 121
3	S (alt-odd)			PREREQ: GPHY 121D & BIOB 170IN
3	On Demand			PREREQ: TWO OF THE FOLLOWING- GPHY 111, GPHY 114, GPHY 121

GIS/GPS:

GPHY 284	Intro to GIS
GPHY 357	Fund/Applications in Mapping
GPHY 384	Advanced GIS Spatial Analysis

3	F S			PREREQ: CAPP 120- INTRO. TO COMPUTERS OR EQUIV. KNOWLEDGE
3	F S			PREREQ: GPHY 284
3	F S			PREREQ: GPHY 284

CONSTRUCTION:

AGED 333	Construction Tech
ARCH 241	Building Construction I
SRVY 230	Intro Surveying for Engineers
ECIV 307	Construction Estimating & Bidding

3	F			
3	F			
3	F S Su			PREREQ: M 165 OR M 171 OR M 181 & EGEN 116
3	F S			PREREQ: ECIV 202 OR ETCC 204 & ECIV 308

INTERNSHIP:

HORT 498	Internship (Must take at least 9 cr.)
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2-12	F S Su			PREREQ: JUNIOR STANDING, INSTRUCTOR CONSENT & DEPT. HEAD APPROVAL
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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
Advisor Signature	Date		