

Name: _____

NORTH DAKOTA STATE UNIVERSITY
College of Agriculture, Food Systems & Natural Resources

T = Transfer Credit
IP = Course is 'In Progress'

ID: _____

Horticulture

Fall 2012

General Education Requirements - 40 Credits Required					Options: Check One				
Course	Number	Course Title	Credits	Grade	<input type="checkbox"/> Horticulture Biotechnology		<input type="checkbox"/> Landscape Design		<input type="checkbox"/> Urban Forestry
First Year Experience (F)			1 Sem Credit		<input type="checkbox"/> Horticulture Science		<input type="checkbox"/> Production-Business		<input type="checkbox"/> Parks & Parks
AGRI	189 ¹	Skills for Academic Success	1		Course	Number	Course Title	Credits	Grade
Communication (C)			12 Sem Credits		Horticulture Biotechnology Option: 53 Credits (requires Biotechnology minor)				
ENGL	110	College Composition I	3		BIOC	460/460L	Foundations Biochemistry/Molecular Biol I/Lab	3/1	
ENGL	120	College Composition II	3		BIOC	461	Foundations Biochemistry/Molecular Biology II	3	
COMM	110	Fundamentals of Public Speaking	3		BIOC	474	Methods of Recombinant DNA Technology	3	
ENGL	320, 321 or 324		3		BOT	372	Structure & Diversity of Plants & Fungi	4	
Quantitative Reasoning (R)			3 Sem Credits		BOT	380	Plant Physiology	3	
STAT	330	Introductory Statistics	3		CHEM	341/341L	Organic Chemistry I/Lab	3/1	
Science & Technology (S)			10 Sem Credits		CHEM	342	Organic Chemistry II	3	
CHEM	121/121L	General Chemistry I/Lab	3/1		MATH	146	Applied Calculus I	4	
CHEM	122	General Chemistry II	3		MICR	202/202L	Introductory Microbiology/Lab	2/1	
CSCI	114 or 116	Microcomputer Packages or Business Use of Computers	3 or 4		PLSC	315L	Genetics Lab	1	
Humanities & Fine Arts (A)			6 Sem Credits		PLSC	360	Horticulture Food Crops	4	
			3		PLSC	368	Plant Propagation	3	
			3		PLSC	484	Plant Tissue, Culture, & Micropropagation	2	
			3		PLSC	486	Applied Crop Physiology	3	
Social & Behavioral Sciences (B)			6 Sem Credits		MATH	103	College Algebra (or higher based on math placement)	3	
ECON	201 or 202	Principles of Microeconomics or Principles of Macroeconomics	3		Recommended Plant Science Electives from Below: 6 credits				
			3		PLSC	296/496	Field Experience	2-4	
Wellness (W)			2 Sem Credits		PLSC	444	Applied Plant Breeding & Research Methods	3	
			2		Horticulture Science Option: 50 Credits				
Cultural Diversity (D)					BOT	372	Structure & Diversity of Plants & Fungi	4	
					BOT	380	Plant Physiology	3	
Global Perspectives (G)					CHEM	260	Elements of Biochemistry	4	
ECON	201 or 202	Principles of Microeconomics/Macroeconomics			CHEM	341/341L	Organic Chemistry I/Lab	3/1	
Major Requirements - 25 credits					MATH	103	College Algebra (or higher based on math placement)	3	
Course	Number	Course Title	Credits	Grade	MATH	146	Applied Calculus I	4	
AGRI	150 ¹	Agriculture Orientation	1		PHYS	120	Fundamentals of Physics	3	
BIOL	150/150L	General Biology I/Lab	3/1		PLSC	315L	Genetics Lab	1	
ENT	350	General Entomology	3		PLSC	323	Principles of Weed Science	3	
PLSC	210	Horticulture Science	3		PLSC	360	Horticulture Food Crops	4	
PLSC	211	Horticulture Science Lab	1		PLSC	368	Plant Propagation	3	
PLSC	315	Genetics	3		PLSC	484	Plant Tissue, Culture, & Micropropagation	2	
PLSC	355	Woody Landscape Plants	3		PLSC	486	Applied Crop Physiology	3	
PLSC	457	Horticulture and Turfgrass Systems (Capstone)	3		SOIL	210	Introduction to Soil Science	3	
PLSC	491	Seminar	1		Recommended Plant Science Electives from Below: 6 credits				
PPTH	324	Introduction to Plant Pathology	3		PLSC	296/496	Field Experience	2-4	
¹ Students transferring in 24 or more credits do not need to take AGRI 150 or 189.					PLSC	412	Nursery Production and Management	3	
					PLSC	422	Greenhouse Production and Management	3	
					PLSC	444	Applied Plant Breeding & Research Methods	3	
					PLSC				
Total Credits Required for Graduation:									128

Horticulture - Fall 2012 Continued

Course	Number	Course Title	Credits	Grade	Course	Number	Course Title	Credits	Grade
Landscape Design Option: 38 Credits (requires Landscape Architecture minor)					Urban Forestry & Parks Option: 51 Credits				
BOT	380	Plant Physiology	3		BOT	372	Structure and Diversity of Plants & Fungi	4	
BOT	460	Plant Ecology	3		BOT	380	Plant Physiology	3	
BUSN	431	Business Law I	3		BOT	460	Plant Ecology	3	
MATH	103	College Algebra	3		MGMT	320	Foundations of Management	3	
PLSC	177	Floral Design	2		HNES	426	Parks & Recreation Administration	3	
PLSC	323	Principles of Weed Science	3		MATH	103	College Algebra	3	
PLSC	341	Land Bidding and Contracting	2		NRM	150	Natural Resources Management Orientation	1	
PLSC	365	Herb Landscape Plants	2		PLSC	219	Introduction to Prairie & Community Forestry	2	
PLSC	375/375L	Turfgrass Management/Lab	3/1		PLSC	315L	Genetics Lab	1	
PLSC	465	Advanced Landscape Plants	2		PLSC	323	Principles of Weed Science	3	
PLSC	485	Arboriculture Science	3		PLSC	365	Herb Landscape Plants	2	
PPTH	456	Forest and Shade Tree Pathology	3		PLSC	375	Turfgrass Management	3	
SOIL	210	Introduction to Soil Science	3		PLSC	465	Advanced Landscape Plants	2	
Recommended Plant Science Electives from Below: 2 credits					PLSC	485	Arboriculture Science	3	
PLSC	296/496	Field Experience	2-4		PLSC	486	Applied Crop Physiology	3	
PLSC	368	Plant Propagation	3		POLS	360	Principles of Public Administration	3	
PLSC	412	Nursery Production and Management	3		PPTH	456	Forest & Shade Tree Pathology	3	
PLSC	422	Greenhouse Production and Management	3		SOIL	210	Introduction to Soil Science	3	
PLSC	486	Applied Crop Physiology	3		Recommended Plant Science Electives from Below: 3 credit				
PLSC					PLSC	296/496	Field Experience	2-4	
Production-Business Option: 47 Credits					PLSC	368	Plant Propagation	3	
ACCT	102	Fundamentals of Accounting	3		PLSC	412	Nursery Production and Management	3	
BOT	372	Structure and Diversity of Plants & Fungi	4		PLSC	422	Greenhouse Production and Management	3	
BOT	380	Plant Physiology	3		PLSC				
MGMT	320	Foundations of Management	3		Free Electives: Minimum 9 credits depending on option followed to reach 128 (no more than 6 credits of co-op may be used)				
MGMT	450	Human Resource Management	3						
MATH	103	College Algebra	3						
PLSC	315L	Genetics Lab	1						
PLSC	323	Principles of Weed Science	3						
PLSC	360	Horticulture Food Crops	4						
PLSC	368	Plant Propagation	3						
PLSC	412	Nursery Production and Management	3						
PLSC	422	Greenhouse Production and Management	3						
PLSC	486	Applied Crop Physiology	3						
PPTH	455 or 456	Plant Disease Management or Forest and Shade Tree Pathology	3						
SOIL	210	Introduction to Soil Science	3		University Requirements:				
Recommended Electives: 2 credits required					Upper Level (300-400 level) Credits				
PLSC	362	Potato Science	2		Residence:				
PLSC	365	Herb Landscape Plants	2		Credit from a 4-Year				
PLSC	375	Turfgrass Management	3		Credits taken at NDSU				
PLSC	465	Advanced Landscape Plants	2		15 of 36 must be in the major				
PLSC	484	Plant Tissue, Culture, & Micropropagation	2		15 of 36 must be upper-level courses				
PLSC	485	Arboriculture Science	3		The last 30 credits must be taken at NDSU				
PLSC	296/496	Field Experience	2-4						