

# NORTH DAKOTA STATE UNIVERSITY

College of Agriculture, Food Systems and Natural Resources – Horticulture

Name: \_\_\_\_\_

ID: \_\_\_\_\_

(T = Transfer Credit, IP = Course is "In Progress")

General Education Requirements - 40 Credits Required				
Course	Number	Course Title	Credits	Grade
First Year Experience (F), 1 Semester Credit				
PLSC	189*	Skills for Academic Success (F)	1	
Communication (C), 12 Semester Credits				
ENGL	110	College Composition I (F,S)	3	
ENGL	120	College Composition II (F,S)	3	
COMM	110	Fundamentals of Public Speaking	3	
ENGL	320, 321 or 324	(Upper Division Writing) (F,S)	3	
Quantitative Reasoning (R), 3 Semester Credits				
STAT	330	Introductory Statistics (F,S)	3	
Science and Technology (S), 10 Semester Credits				
CHEM	121/121L	General Chemistry I / Lab (F,S)	3/1	
CHEM	122	General Chemistry II (F,S)	3	
CSCI or MIS	CSCI 114 or MIS 116	Microcomputer Packages or Business Use of Computers (F,S)	3	
Humanities and Fine Arts (A), 6 Semester Credits				
			3	
			3	
Social and Behavioral Sciences (B), 6 Semester Credits				
ECON	105, 201 or 202	Elements of Economics, Principles of Microeconomics or Principles of Macroeconomics (F,S)	3	
			3	
Wellness (W), 2 Semester Credits				
Cultural Diversity (D) (SPAN 201 Recommended)				
Global Perspectives (G) (SPAN 101 Recommended)				
Major Requirements – 37 Credits				
Course	Number	Course Title	Credits	Grade
BIOL	150/151	General Biology I/II	3/3	
ENT	350	General Entomology (F)	3	
MATH	103	College Algebra (F,S)	3	
PLSC	210/211	Horticulture Science / Lab (F)	3/1	
PLSC	215	Weed Identification (F)	1	
PLSC	355	Woody Landscape Plants (F)	3	
PLSC	365	Herbaceous Landscape Plants (F/O)	2	
PLSC	380	Principles of Plant Physiology (S)	3	
PLSC	457	Horticulture and Turfgrass Systems (Capstone) (S)	3	
PLSC	491	Seminar (F,S)	1	
PLSC	496 or 494	Field Experience or Individual Study (F, SS, S)	2	
PPTH	324	Introduction to Plant Pathology (F)	3	
SOIL	210	Introduction to Soil Science (F,S)	3	
*Students transferring in 24 or more credits do not need to take PLSC 189				

Options: Check One		
<input type="checkbox"/> Landscape Management	<input type="checkbox"/> Landscape Design	<input type="checkbox"/> Urban Forestry & Parks
<input type="checkbox"/> Horticulture Science	<input type="checkbox"/> Production-Business	<input type="checkbox"/> Sports/Urban Turfgrass

Course	Number	Course Title	Credits	Grade
Landscape Management Option: 32 credits				
ACCT	102	Fundamentals of Accounting	3	
MGMT	320	Foundations of Management	3	
PLSC	341	Landscape Bidding, Contracting and Operations (S)	2	
PLSC	370	Landscape Management (F/O)	3	
PLSC	465	Advanced Landscape Plants (S/E)	2	
PLSC	468	Landscape Irrigation Design (F/O)	2	
PLSC	469	Landscape Irrigation Installation and Management (S/E)	2	
PPTH	457	Landscape Plant Pathology (S/O)	3	
Electives: Select 12 credits of the following:				
ENT	431	Principles of Insect Pest Management	3	
PLSC	296	Field Experience	2	
PLSC	368	Plant Propagation	3	
PLSC	375	Turfgrass Management	3	
PLSC	375L	Turfgrass Management Lab	1	
PLSC	412	Nursery Production and Management	3	
PLSC	480	Advanced Turfgrass Topics	3	
PLSC	485	Arboriculture Science	3	
SOIL	322	Soil Fertility and Fertilizers	3	

Landscape Design Option: 34 credits (requires Landscape Architecture minor)				
PLSC	177	Floral Design (S)	2	
PLSC	341	Land Bidding and Contracting (S)	2	
PLSC	465	Advanced Landscape Plants (S/E)	2	
Electives: Select 9 credits of the following:				
PLSC	296	Field Experience	2	
PLSC	375	Turfgrass Management	3	
PLSC	375L	Turfgrass Management Lab	1	
PLSC	412	Nursery Production and Management	3	
PLSC	422	Greenhouse Production and Management	3	
PLSC	468	Landscape Irrigation Design	2	
PLSC	469	Landscape Irrigation Installation and Management	2	
PLSC	485	Arboriculture Science	3	
PPTH	457	Landscape Plant Pathology	3	

F = offered fall semester  
 SS = offered summer semester  
 S = offered spring semester  
 O = offered odd years  
 E = offered even years

<b>Horticulture Science Option: 33 credits</b>				
CHEM	122L	General Chemistry II Lab	1	
CHEM	260	Elements of Biochemistry	4	
CHEM	341/341L	Organic Chemistry I / Lab	3/1	
MATH	146	Applied Calculus I	4	
PLSC	315/315L	Genetics / Lab	3/1	
PLSC	368	Plant Propagation (S)	3	
<b>Electives: Select 13 credits of the following:</b>				
CLAS	180	Scientific Term: Greek & Latin	2	
PLSC	296	Field Experience	2	
PLSC	375/375L	Turfgrass Management / Lab	3/1	
PLSC	411	Genomics	3	
PLSC	412	Nursery Production and Management	3	
PLSC	415	Vegetable Crop Production	2	
PLSC	416	Fruit Crop Production	2	
PLSC	422	Greenhouse Production and Management	3	
PLSC	425	Potato Sciences	2	
PLSC	431	Intermediate Genetics	3	
PLSC	444	Applied Plant Breeding & Research Methods	3	
PLSC	453	Advanced Weed Science	2	
PLSC	485	Arboriculture Science	3	
PPTH	455 or 457	Plant Disease Mgmt. or Landscape Plant Pathology	3	
SOIL	465	Soil and Plant Analysis	2	
STAT	331	Regression Analysis	2	
STAT	367	Probability	3	
STAT	462	Introduction to Experimental Design	3	

<b>Production-Business Option: 33 credits</b>				
ACCT	102	Fundamentals of Accounting	3	
ENT	431	Principles of Insect Pest Management (S/O)	3	
MGMT	320	Foundations of Management	3	
MRKT or MGMT	320 or 430	Foundations of Marketing or Leadership in Org.	3	
PLSC	368	Plant Propagation (S)	3	
PPTH	455 or 457	Plant Disease Mgmt. or Landscape Plant Pathology	3	
<b>Electives: Select 15 credits of the following:</b>				
ASM	373	Tractors & Power Units	3	
PLSC	177	Floral Design I	2	
PLSC	296	Field Experience	2	
PLSC	375/375L	Turfgrass Management / Lab	3/1	
PLSC	412	Nursery Production and Management	3	
PLSC	415	Vegetable Crop Production	2	
PLSC	416	Fruit Crop Production	2	
PLSC	422	Greenhouse Production and Management	3	
PLSC	425	Potato Sciences	2	
PLSC	453	Advanced Weed Science	2	
PLSC	465	Advanced Landscape Plants	2	
PLSC	484	Plant Tissue Culture and Biotechnology	3	
SOIL	322	Soil Fertility and Fertilizers	3	

<b>Sports &amp; Urban Turfgrass Management Option: 33 Credits</b>				
ACCT	102	Fundamentals of Accounting	3	
MGMT	320	Foundations of Management	3	
PLSC	375/375L	Turfgrass Management / Lab (F/E)	3/1	
PLSC	381	Sports Turf Operations (F)	3	
PLSC	468	Landscape Irrigation Design (F/O)	2	
PLSC	469	Landscape Irrigation Installation and Management	2	
PPTH	457	Landscape Plant Pathology (S/O)	3	
SOIL	322	Soil Fertility and Fertilizers (S)	3	
<b>Electives: Select 10 credits of the following:</b>				
ASM	373	Tractors & Power Units	3	
ASM	374	Power Units Laboratory	1	
ENT	431	Principles of Insect Pest Management	3	
HNES	128	Golf	1	
PLSC	219	Introduction to Prairie & Community Forestry	2	
PLSC	296	Field Experience	2	
PLSC	341	Landscape Bidding, Contracting and Operations	2	
PLSC	465	Advanced Landscape Plants	2	
PLSC	480	Advanced Turfgrass Topics	3	
PLSC	485	Arboriculture Science	3	
PPTH	455	Plant Disease Management	3	
SOIL	217	Introduction to Meteorology & Climatology	3	

<b>Urban Forestry &amp; Parks Option: 33 credits</b>				
ACCT	102	Fundamentals of Accounting	3	
MGMT	320	Foundations of Management	3	
PLSC	219	Introduction to Prairie & Community Forestry (F/O)	2	
PLSC	386	Arboriculture Climbing and Rigging Operations (F)	2	
PLSC	465	Advanced Landscape Plants (S/E)	2	
PLSC	485	Arboriculture Science (F/E)	3	
PPTH	457	Landscape Plant Pathology (S/O)	3	
<b>Electives: Select 15 credits of the following:</b>				
GEOG	105	Fundamentals of Geographic Information Systems	3	
ENT	431	Principles of Insect Pest Management	3	
NRM	264	Natural Resource Management Systems	3	
NRM	401	Urban-Ecosystem Management	3	
PLSC	296	Field Experience	2	
PLSC	315	Genetics	3	
PLSC	368	Plant Propagation	3	
PLSC	370	Landscape Management	3	
PLSC	375/375L	Turfgrass Management / Lab	3/1	
PLSC	412	Nursery Production and Management	3	
PLSC	468	Landscape Irrigation Design	2	
PLSC	469	Landscape Irrigation Installation and Management	2	
SOIL	322	Soil Fertility and Fertilizers	3	

