

Name: _____

NORTH DAKOTA STATE UNIVERSITY
College of Agriculture, Food Systems & Natural Resources
Crop and Weed Sciences

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

ID: _____

Fall 2021

General Education Requirements - 39 Credits Required					Options: Check One to Complete					
Course	Number	Course Title	Credits	Grade	<input type="checkbox"/> Agronomy		<input type="checkbox"/> Biotechnology			
					<input type="checkbox"/> Weed Science		<input type="checkbox"/> Science			
Course	Number	Course Title	Credits	Grade	Course	Number	Course Title	Credits	Grade	
Communication (C)				12 Sem Credits		Agronomy Option: 16-18 Credits Required				
ENGL	110	College Composition I (F,S)	3		CHEM or	240 or	Survey of Organic Chemistry (F) or	3 or		
ENGL	120	College Composition II (F,S)	3		BIOC or	260* or	Elements of Biochemistry (S) or	4 or		
COMM	110	Fundamentals of Public Speaking (F,S)	3		BIOL	461	Plant Ecology (F)	3		
ENGL	320, 321 or 324 (F,S)		3		MATH	103	College Algebra or higher (F,S)	3		
Quantitative Reasoning (R)				3 Sem Credits		MICR	202/202L	Introductory Microbiology/Lab (F,S)	2/1	
STAT	330	Introductory Statistics (F,S)	3		PLSC	300-400	(no more than 2 credits of co-op may be used)	4		
Science & Technology (S) (Fulfilled with courses in major and options)				10 Sem Credits		SOIL	322	Soil Fertility and Fertilizers (S)	3	
CHEM	121/121L	General Chemistry I/Lab (F,S)	3/1		*CHEM	140	Organic prep prerequisite for BIOC 260	1		
CHEM	122	General Chemistry II Lab (F,S)	3		Weed Science Option: 22-24 Credits Required					
PLSC	110	World Food Crops (F,S)	3		CHEM	240 or	Survey of Organic Chemistry (F) or	3 or		
Humanities & Fine Arts (A)				6 Sem Credits		BIOC	260*	Elements of Biochemistry (S)	4	
			3		ENT	431	Princ. of Insect Pest Management (S odd)	3		
			3		MATH	103	College Algebra or higher (F,S)	3		
Social & Behavioral Sciences (B)				6 Sem Credits		MICR	202/202L	Introductory Microbiology/Lab (F,S)	2/1	
ECON	201	Principles of Microeconomics (F,S)	3		PLSC	433	Weed Biology and Ecology (S even)	2		
			3		PLSC	453	Advanced Weed Science (F)	2		
Wellness (W)				2 Sem Credits		PPTH	454	Diseases of Field & Forage Crops (S even)	3	
			2		SOIL	322	Soil Fertility and Fertilizers (S)	3		
Cultural Diversity (D)										
Global Perspectives (G)				PLSC 110 World Food Crops (F,S)						
					*CHEM	140	Organic prep (F) (prerequisite for BIOC 260)	1		
Major Requirements - 44 Credits Required					Biotechnology Option: 19-21 Credits Required					
Course	Number	Course Title	Credits	Grade	BIOC	460*	Foundations of Molecular Biology I (F)	3		
PLSC	189 ¹	Skills for Academic Success (F)	1		MATH	105 or	Trigonometry (F,S) or	3 or		
BIOL	150/150L	General Biology I/Lab (F)	3/1			146	Applied Calculus I (F,S)	4		
BIOL	151/151L	General Biology II/Lab (S)	3/1		MICR	350/350L	General Microbiology I/Lab (F)	3/2		
CHEM	122L	General Chemistry II Lab (F,S)	1		PLSC	453 or	Advanced Weed Science (F) or	2 or		
ENT	350	General Entomology (F)	3			431	Intermediate Genetics (F)	3		
PLSC	215	Weed Identification (F)	1		PLSC	484	Plant Tissue Culture & Micropropagation (F)	3		
PLSC	225	Principles of Crop Production (S)	3		*CHEM	240 or 341	Organic Chem (F) prerequisite for BIOC 460	3		
PLSC	312	Expanding the Boundaries of Learning (S)	1		Science Option: 27 Credits Required					
PLSC	315/315L	Genetics/Lab (F,S)	3/1		MICR	202/202L	Introductory Microbiology/Lab (F,S)	2/1		
PLSC	320	Principles of Forage Production (F)	3		CHEM	341/341L	Organic Chemistry I/Lab (F)	3/1		
PLSC	323	Principles of Weed Science (S)	3		MATH	146	Applied Calculus I (F,S)	4		
PLSC	380	Principles of Plant Physiology (S)	3		PLSC	300-400	(No more than 2 credits of co-op may be used)	4		
PLSC	444	Applied Plant Breeding & Research Methods (F)	3		(12 Elective Credits in Science and Math)					
PLSC	455	Cropping Systems (Capstone) (S)	3							
PLSC	491	Senior Seminar (F,S)	1							
PPTH	324	Introduction to Plant Pathology (F)	3							
SOIL	210	Introduction to Soil Science (F,S)	3							
Curriculum Continued on the backside of this form										

Crop and Weed Sciences - Fall 2020 Continued

<p>Agronomy is a general option for students most interested in production agriculture. This popular option provides the most flexibility in course selection.</p> <p>Weed Science is for students interested in crop consulting, weed science, and plant protection areas.</p> <p>Biotechnology is for students who wish to work in the biotechnology industry or pursue graduate study in crop biotechnology.</p> <p>Science is for students interested in a MS or PhD and who want more foundation studies for these studies.</p> <p>*Pre-requisite apply; refer to Campus Connection or NDSU Undergraduate Bulletin for course pre-requisites.</p> <p>¹Students transferring in 24 or more credits do not need to take PLSC 189.</p>	Course	Number	Course Title	Credits	Grade	
	Potential of 20 credits to reach 120 credits (No more than 6 credits may be co-op)					
	Total Credits Required for Graduation				120	
	University Requirements:					
Upper Level (300-400 level) Credits				37		
Residence:						
Credit from a 4-Year				60		
Credits taken at NDSU				36		
15 of 36 must be in the major						
15 of 36 must be upper-level courses						
<i>The last 30 credits must be taken at NDSU</i>						
All courses listed on this curriculum guide are required for the major.						
A 2.00 cumulative GPA is required for graduation						