Name: _____

ID: _____

NORTH DAKOTA STATE UNIVERSITY

College of Agriculture, Food Systems & Natural Resources

Crop and Weed Sciences

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

Fall 2012

General Education Requirements - 40 Credits Required				
Course	**Number**	**Course Title**	**Credits**	**Grade**
First Year Experience (F)			1 Sem Credit	
AGRI	189[1]	Skills for Academic Success	1	
Communication (C)			12 Sem Credits	
ENGL	110	College Composition I	3	
ENGL	120	College Composition II	3	
COMM	110	Fundamentals of Public Speaking	3	
ENGL	320, 321 or 324		3	
Quantitative Reasoning (R)			3 Sem Credits	
STAT	330	Introductory Statistics	3	
Science & Technology (S) (Fulfilled with courses in major and options)			10 Sem Credits	
Humanities & Fine Arts (A)			6 Sem Credits	
			3	
			3	
Social & Behavioral Sciences (B)			6 Sem Credits	
ECON	201	Principles of Microeconomics	3	
			3	
Wellness (W)			2 Sem Credits	
			2	
Cultural Diversity (D)				
Global Perspectives (G)				
ECON	201	Principles of Microeconomics		
Major Requirements - 51 Credits Required				
Course	**Number**	**Course Title**	**Credits**	**Grade**
AGRI	150[1]	Agriculture Orientation	1	
BIOL	150/150L	General Biology I/Lab	3/1	
BIOL **or** BOT	151/151L **or** 372	General Biology II/Lab **or** Structure & Diversity of Plants & Fungi	3/1 **or** 4	
CHEM	121/121L	General Chemistry I/Lab	3/1	
CHEM	122/122L	General Chemistry II/Lab	3/1	
ENT	350	General Entomology	3	
PLSC	110	World Food Crops	3	
PLSC	215	Weed Identification	1	
PLSC	225	Principles of Crop Production	3	
PLSC	312	Expanding the Boundaries of Learning	1	
PLSC	315/315L	Genetics/Lab	3/1	
PLSC	320	Principles of Forage Production	3	
PLSC	323	Principles of Weed Science	3	
PLSC	444	Applied Plant Breeding & Research Methods	3	
PLSC	455	Cropping Systems (Capstone)	3	
PLSC	491	Senior Seminar	1	
PPTH	324	Introduction to Plant Pathology	3	
SOIL	210	Introduction to Soil Science	3	

Curriculum Continued on the backside of this form

Options: Check One to Complete				
	□ **Agronomy**	□ **Biotechnology**		
	□ **Weed Science**	□ **Science**		
Course	**Number**	**Course Title**	**Credits**	**Grade**
Agronomy Option: 19 Credits Required				
MICR	202/202L	Introductory Microbiology/Lab	2/1	
BOT **or** ANSC	380 **or** 323	Plant Physiology **or** Fundamentals of Nutrition	3	
CHEM	240* **or** 260* **or**	Survey of Organic Chemistry 3 **or** Elements of Biochemistry or 4		
BOT	460	Plant Ecology	3	
MATH	103	College Algebra or higher	3	
PLSC	300-400	(no more than 2 credits of co-op)	4	
SOIL	322	Soil Fertility and Fertilizers	3	
Weed Science Option: 28 Credits Required				
AGEC 375: Applied Ag Law **or** AGEC 484: Ag Policy **or** BUSN 431: Business Law I **or** SAFE 452: Food Laws and Regulations			3	
MICR	202/202L	Introductory Microbiology/Lab	2/1	
BOT	380/380L	Plant Physiology	3/1	
CHEM	240* **or** 260* **or**	Survey of Organic Chemistry **or** 3 **or** Elements of Biochemistry **or** 4		
MATH	103	College Algebra or higher	3	
PLSC	433	Weed Biology and Ecology	2	
PLSC	453	Advanced Weed Science	2	
PLSC	300-400		2	
PPTH	454	Diseases of Field & Forage Crops	3	
SOIL	322	Soil Fertility and Fertilizers	3	
Biotechnology Option: 19 Credits Required				
BIOC	460*	Foundations of Molecular Biology I	3	
BOT	380/380L	Plant Physiology/Lab	3/1	
MATH	105 **or** 146	Trigonometry **or** 3 **or** Applied Calculus I 4		
MICR	350/350L	General Microbiology I/Lab	3/2	
PLSC	453 **or** 431	Advanced Weed Science **or** 2 **or** Intermediate Genetics 3		
PLSC	484	Plant Tissue, Culture, & Micropropagation	2	
Science Option: 31 Credits Required				
MICR	202/202L	Introductory Microbiology/Lab	2/1	
BOT	380/380L	Plant Physiology/Lab	3/1	
CHEM	341/341L	Organic Chemistry I/Lab	3/1	
MATH	146	Applied Calculus I	4	
PLSC	300-400	(No more than 2 credits of co-op may be used)	4	
12 Elective Credits in Science and Math				
Total Credits Required for Graduation:				**128**

Crop and Weed Sciences - Fall 2012 Continued

Agronomy is a general option for students most interested in production agriculture. This popular option provides the most flexibility in course selection.

Weed Science is for students interested in crop consulting, weed science, and plant protection areas.

Biotechnology is for students who wish to work in the biotechnology industry or pursue graduate study in crop biotechnology.

Science is for students interested in a MS or PhD and who want more foundation studies for these studies.

*Pre-requisite apply; refer to Campus Connection or NDSU Undergraduate Bulletin for course pre-requisites.

[1]Students transferring in 24 or more credits do not need to take AGRI 150 or 189.

All courses listed on this curriculum guide are required for the major.

A 2.00 cumulative GPA is required for graduation

Course	Number	Course Title	Credits	Grade
Free Electives: Minimum of 16 credits depending on option selected to reach 128 credits (No more than 6 credits may be co-op)				
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				
The last 30 credits must be taken at NDSU				