

# B.S. NRM PLANNING GUIDE

<b>General Education Requirements (2017-2018 Catalog)</b>							
	Semester →	A.S.					
Group I A - ENGL 110 or 111H - Comp. I (3)	F,S/F	X					
Group I B - ENGL 120 or 121H - Comp. II (3)	F,S/F	X					
Group I C - COMM 110 or 111H - Public Speak (3)	F,S/F	X					
Group I D - CSCI 101 - Intro to Computers (3)	F,S	X					
Group II A - GEOL 105, 105L - Physical Geology/Lab (4)	F	X					
Group II B - MATH 103 - College Algebra (4)	*,F,S	X					
Group III A - Foundational Expressions		X					
Group III B - Literary Expressions		X					
Group III A, B or C <small>(Three credits from C or one additional course from A or B)</small>		X					
Group IV A - Historical Perspectives		X					
Group IV B - Human Behavior		X					
Group IV C - ECON 201 - Microeconomics (3)	*,F,S	X					
Group V <small>(Minimum of three courses with # symbol)</small>		X					
Group VI - HPER 100 - Fitness and Wellness (2)		X					
UNIV 100 - Freshman Seminar (1) (Inst. Req.)		X					

<b>Agriculture Studies Core Curriculum (2017-2018 Catalog)</b>							
	Semester →	A.S.	Fall	Spring	Fall	Spring	
AGEC 241 - Introduction to Agricultural Economics (3)	S	X					
AGEC 342 - Intro to Agricultural Management (3)	S			3			
AGRI 350 - Ag Data Analysis and Statistics (4)	F				4		
AGRI 391 - Junior Agricultural Seminar (1)	S			1			
AGRI 394 - Undergraduate Research (1)	F				1		
H&CE 241 - Leadership & Presentation Tech (3)	F,S	X					
PLSC 110 - World Food Crops (3)	F	X					
RNG 336 - Introduction to Range Management (4)	F		4				
SOIL 210 - Introduction to Soil Science (4)	S	X					
One course from the following two courses (3 credits):							
ANSC 114 - Introduction to Animal Science (3)	F	X					
ANSC 123 - Feeds and Feeding (3)	F						
One course from the following two courses (3 credits):							
BOTE 247 - Spreadsheet Applications (3)	*,F,S	X					
CSCI 200 - Database Software Applications (3)	*,F,S						
One course from the following two courses (1 credit):							
AGRI 491 - Agricultural Seminar (1)	*,S				1		
RNG 491 - Range Seminar (1)	*,S						
One course from the following three courses (3 credits):							
AGRI 280 - Technology in Agriculture (3)	S Even	X					
GIS 380 - Applied Arc GIS (3)	F						
GIS 381 - GIS for Business (3)	F						
One course from the following four courses (3 credits):							
BOTE 210 - Business Communication (3)	*,F,S			3a	3a		
COMM 216 - Intercultural Communication (3)	F,S						
COMM 312 - Interpersonal Communication (3)	F,S						
COMM 317 - Organizational & Group Comm. (3)	F,S						

**Natural Resource Management Option (2017-2018 Catalog)**

Students will be required to take GIS 380 - Applied Arc GIS as part of the Agricultural Studies core curriculum.  
 Students will be required to take GEOL 105, 105L - Physical Geology and Lab as the General Education science elective.  
 If not taken as a General Education class, it must be taken to fulfill the Natural Resource Management option requirements.

	Semester →	A.S.	Fall	Spring	Fall	Spring	
AGEC 422 - Resource Econ and Environ. Protect (3)	S					3	
BIOL 151 - General Biology II (3)	F	-1	3a				
BIOL 151L - General Biology II Lab (1)	F	-1	1a				
GIS 210 - Applied GPS (3)	S			3			
PLSC 225 - Principles of Crop Production (3)	*,F		3				
PLSC 323 - Principles of Weed Science (3)	S					3	
RNG 350 - Range Plants and Communities (3)	F		3				
RNG 436 - Range and Pasture Management (3)	F					3	
RNG 458 - Rangeland Ecology (3)	S						
SOIL 321 - Soil Management and Conservation (3)	*,S Odd			3b		3b	
SOIL 444 - Soil Genesis and Survey (4)	*,F Even		4c		4c		
Two pairs from the following three choices (9-10 credits):							
BIOL 150,150L - General Biology I and Lab (4)	S	-1		4-5a	4-5a		
CHEM 121, 121L - General Chemistry I and Lab (5)	F						
CHEM 122, 122L - General Chemistry II and Lab (5)	*,S						
At least five to six credits from the following choices:							
BIOL 250 - Wildlife Management (3)	F Odd						
BIOL 254 - Introduction to Botany (4)	*,F						
BIOL 415 - Ecology (4)	*,S Odd						
GEOL 311 - Process Geomorphology (4)	*,F Odd						
GEOL 330 - Physical Geology of North Dakota (3)	*,S Even						
GIS 480 - GPS/GIS II (3)	*,S Odd		3-4c	3-4b	3	2-3	3-4b
PLSC 235 - Field Scouting Techniques (2)	*,S						
PLSC 486 - Forages and Forage Systems (3)	*,F						
SOIL 322 - Soil Fertility and Fertilizers (3)	*,F Odd						
SOIL 350 - Soil Health and Productivity (3)	*,S Even						

**Note: Courses with a similar letter designation provide a choice among course selection(s).**

\* - Requires pre-requisite; F - Fall; S - Spring

67-68	17-18	13-16	15-18	13-14	125-134
A.S.	Fall	Spring	Fall	Spring	Total