

**DEPARTMENT OF MATH AND SCIENCE
BACHELOR OF SCIENCE IN NATURAL SCIENCE**

1. Core Requirements: (27 Credits Total)	Where Taken	Date	Grade
Engl 103	Freshman English I	3	_____
Engl 103	Freshman English II	3	_____
SpCm 103	Speech Communications	3	_____
Math 163*	Trigonometry*	3	_____
MIS 113	Applied Information Processing	3	_____
Bio 113	People and the Environment or	3	_____
NaRs 123	Forest Principals or		
Rang 103	Range Plant Identification		
Social Science Elective		3	_____
Humanities Elective		3	_____
Literature Elective		3	_____
2. Lakota Studies (15 Credits):			
Lak 103	Lakota Language I	3	_____
Lak 233*	Lakota Language II	3	_____
LSoc 103	Lakota Culture (or LHist 203)	3	_____
LSci 203	Traditional Plants, Herbs, and Foods	3	_____
Lak	Lakota Elective	3	_____
3. Natural Science Requirements (43 Credits)			
Math 123	Introduction to Statistics	3	_____
Phys 113	Survey of Physics	3	_____
Geol 133	Environmental Geology or		
Geol 143	Physical Geology	3	_____
Geol 153	Historical Geology	3	_____
Bio 154	Introductory Biology I	4	_____
Bio 164	Introductory Biology II	4	_____
Chem 233	General Chemistry I	3	_____
Chem 231	General Chemistry I Lab	1	_____
Chem 243	General Chemistry II	3	_____
Chem 241	General Chemistry II Lab	1	_____
NSci 253	Hydrology	3	_____
Bio 223	Ecology	3	_____
GIS 213	Introduction to GIS	3	_____
PSc 213	Soils	3	_____
Sci 273	Scientific Literature and Writing	3	_____
Conservation Biology Emphasis: Upper Division Core (30 Credits)			
Bio 303	Field Ecology	3	_____
GIS 313	Applications of GIS	3	_____
NSci 373	Watershed Assessment Techniques	3	_____
NaRs 323	Natural Resource Measurements	3	_____
NSci 393	Junior Research/Internship	3	_____
Bio 413	Mammalogy	3	_____
Biol 453	Advanced Ecology	3	_____
Biol 463	Evolution	3	_____
Bio 463	Conservation Biology	3	_____
NSci 493	Senior Project	3	_____

Conservation Biology:

Electives (Minimum of 15 Credits)

Math 194	Calculus I	4
GIS 323	Remote Sensing	3
Bio 423	Ornithology	3
Biol 413	Animal Behavior	3
Math 483	Advanced Statistics	3
Chem 423	Laboratory Equipment	3
NSci 483	Renewable Energy	3
NSci 473	Wetlands	3
Bio 443 / Rang 443	Range Ecology	3
NSci 303	Integrated Environmental Science	3
NSci 363	Fluvial Processes and Stream Morphology	3
NSci 323	Water and Wastewater Management	3
Sci 393	Special Topics (needs approval)	3

Total Credits 127

Earth Science Emphasis:

Upper Division Core (30 Credits)

GIS 313	Applications of GIS	3
NSci 323	Water and Wastewater Management	3
Chem 323	Environmental Chemistry	3
NSci 363	Fluvial Processes and Stream Morphology	3
NSci 373	Watershed Assessment Techniques	3
NSci 393	Junior Research/Internship	3
Chem 423	Laboratory Equipment	3
NSci 473	Wetlands	3
NSci 463	Groundwater	3
NSci 493	Senior Project	3

Earth Science:

Electives (Minimum of 15 Credits)

Math 194	Calculus I	4
GIS 323	Remote Sensing	3
NSci 303	Integrated Environmental Science	3
NSci 413	Air Pollution	3
Math 483	Advanced Statistics	3
NSci 483	Renewable Energy	3
NaRs 323	Natural Resource Measurements	3
Bio 303	Field Ecology	3
Bio 443 / Rang 443	Range Ecology	3
NSci 433	Waste Management	3
Sci 393	Special Topics (needs approval)	3

Total Credits 130

*Students must either pass an entrance exam for these courses or pass 100-level preparatory courses with a “C” or better. See catalog descriptions. Entrance exams are available from Math and Science Department members during the week of registration.

Science Course Sequencing:

Fall Semester 1 Math 154	Spring Semester 2 Phys 113
Fall Semester 3 Chem 233, Chem 231, Bio 154	Spring Semester 4 Bio 164, Chem 253, Chem 251