

Name: _____

ID: _____

NORTH DAKOTA STATE UNIVERSITY
College of Science and Mathematics

Botany Major

Major Courses:

BOT	314	3	_____	Systematic Botany
	315	3	_____	Genetics
	315L	1	_____	Genetics Lab
	372	4	_____	Struct & Div/Plants/Fungi
	380	3	_____	Plant Physiology
	460	3	_____	Plant Ecology
	471 or 472	3	_____	Phycology or Lichenology
	491	2	_____	Capstone Seminar

Related Courses Required:

Biology/Microbiology/Zoology

BIOL	150	3	_____	General Biology I
	150L	1	_____	Gen Biology I Lab
	151	3	_____	General Biology II
	151L	1	_____	Gen Biology II Lab
	459	3	_____	Evolution
MICR	350	3	_____	General Microbiology
	350L	1	_____	Gen Microbiology Lab
ZOO	370	3	_____	Cell Biology

Related Courses Required (continued):

Chemistry

CHEM	121	3	_____	General Chemistry I
	121L	1	_____	Gen Chemistry I Lab
	122	3	_____	General Chemistry II
	122L	1	_____	General Chemistry II Lab

Choose one group:

Group 1:

CHEM	240	3	_____	Survey of Organic Chemistry
	260	4	_____	Elements of Biochemistry

Group 2:

CHEM	341	3	_____	Organic Chemistry I
	341L	1	_____	Organic Chemistry I Lab
	342	3	_____	Organic Chemistry II
BIOC	460	4	_____	Found/Biochem/Molecular Biol I

Math, Statistics, Computer Science

MATH	146	4	_____	Applied Calculus I
STAT	330	3	_____	Introductory Statistics
CSCI	_____	2	_____	Computer Science elective

Physics

PHYS	211	3	_____	College Physics I
	211L	1	_____	College Physics I Lab
	212	3	_____	College Physics II
	212L	1	_____	College Physics II Lab

Additional credits in Humanities or Social Sciences to meet the requirements of the College of Science and Mathematics. BS: 6 credits BA: 12 credits

The following courses are recommended: GEOL 105 & 105L, GEOL 106 & 106L, SOIL 210.

To complete a degree, the general education requirements of the College of Science and Mathematics and NDSU need to be met along with this major.

Name: _____

Degree: _____

ID: _____

Date: _____

North Dakota State University
College of Science and Mathematics
General Education Requirements

First Year Experience - F	1 credit	Total	Quantitative Reasoning - R	3 credits	Total
UNIV 189 -1					
Communication - C	9 credits		Science & Technology - S (including a course with a lab)	10 credits	
ENGL 110 - 3					
ENGL 120 - 3					
COMM 110 - 3					
Wellness - W	2 credits				
Humanities & Fine Arts - A (3 credits maximum from fine arts(fa) performance)	6 credits		Global Perspectives - G 3 credits included as part of general education or major		
			Electives		
Cultural Diversity - D 3 credits included as part of 6 credits for humanities or social & behavioral sciences.			D transfer grades that do not meet requirements		
			UNIV 397 (Co-Op Optional)	4 credits maximum	
Social & Behavioral Sciences - B	6 credits		Residency at NDSU:	36 credits with at least 15 credits in major	
			Credits at a 4 year university:	60 credits	
Second Year Foreign Language Proficiency (BS: Not Required BA: 6 credits or equivalent)			Courses numbered 300 or higher: (15 minimum at NDSU)	37 credits	
			Total Credits Required:	122 credits minimum*	

A list of approved courses for each category is available at <http://www.ndsu.nodak.edu/ndsu/deott/schedule/geindex.htm>

*May vary depending on the major.

T= transfer credits, D grades from transfer credits do not meet requirements.

Credits Not Counted

Toward Graduation: MATH 101____, MATH 102____, Other_____

Only free electives may be taken pass/fail.

BS = Bachelor of Science degree BA = Bachelor of Arts degree

Advisor: _____