

Name: _____

ID: _____

NORTH DAKOTA STATE UNIVERSITY
College of Science and Mathematics

Effective: Fall 2005 semester

Mathematics Major

Major Courses: 41 credits

MATH	165	4	_____	Calculus I
	166	4	_____	Calculus II
	² 265	4	_____	Calculus III
	² 266	3	_____	Intro to Differential Equations
	270	3	_____	Intro/Abstract Mathematics
	420	3	_____	Abstract Algebra I
	429	3	_____	Linear Algebra
	450	3	_____	Real Analysis I
	_____	3	_____	421-Abstract Algebra II or 451-Real Analysis II
	491	1	_____	Capstone Seminar

Electives¹: 10 credits

_____	_____
_____	_____
_____	_____

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

_____	_____
_____	_____
_____	_____

Related Courses Required:

CSCI	160	4	_____	Computer Science I
Lab Science Sequence chosen from:				
BIOL	150	3	_____	General Biology I
	150L	1	_____	General Biology I Lab
	151	3	_____	General Biology II
	151L	1	_____	General Biology II Lab
OR				
BIOL	220	3	_____	Human Anatomy & Phys. I
	220L	1	_____	Human Anatomy & Phys. I Lab
	221	3	_____	Human Anatomy & Phys. II
	221L	1	_____	Human Anatomy & Phys. II Lab
OR				
CHEM	121	3	_____	General Chemistry I
	121L	1	_____	General Chemistry I Lab
	122	3	_____	General Chemistry II
	122L	1	_____	General Chemistry II Lab
OR				
CHEM	150	3	_____	Principles of Chemistry I
	160	1	_____	Principles of Chemistry I Lab
	151	3	_____	Principles of Chemistry II
	161	1	_____	Principles of Chemistry II Lab
OR				
MICR	350	3	_____	General Microbiology I
	350L	1	_____	General Microbiology I Lab
	352	3	_____	General Microbiology II
	352L	1	_____	General Microbiology II Lab
OR				
PHYS	251	4	_____	University Physics I
	251L	1	_____	University Physics I Lab
	252	4	_____	University Physics II
	252L	1	_____	University Physics II Lab
OR				
CSCI	161	4	_____	Computer Science II
and two (2) of the following:				
CSCI	345	3	_____	Topics on Personal Computers
	372	3	_____	Comparative Programming Lang
	373	3	_____	Assembly Programming
	458	3	_____	Microcomputer Graphics

A grade of C or better is required in MATH courses used toward the major.

¹ Math electives must be chosen so that at least one course comes from each of List A and List B and must include at least one of the pairs of courses 430 - 436, 445 - 446, 480 - 483, 452 - 481, 488 - 489 and 420 - 421 or 450 - 451 (whichever was not chosen to satisfy the 421 or 451 requirement above).

List A: MATH 374, 430, 436, 440, 445, 446, 452, 472

List B: MATH 480, 481, 482, 483, 488, 489, STAT 467, CSCI 453

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: _____

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

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

A list of approved courses for each category is available in the Registration Schedule or at <http://www.ndsu.nodak.edu/ndsu/deott/registrar/geneds.stm>
 *May vary depending on the major. T= transfer credits, D grades from transfer credits do not meet requirements.

Credits Not Counted
 Toward Graduation: MATH 099____, MATH 102____, Other_____

Only free electives may be taken pass/fail.
 BS = Bachelor of Science degree BA = Bachelor of Arts degree

Advisor: _____