

NAME: \_\_\_\_\_

ID: \_\_\_\_\_

## North Dakota State University

College of Science &amp; Mathematics

## MATHEMATICS &amp; STATISTICS DOUBLE MAJOR (w/ Pre-Actuarial Option) - Fall 2008

GENERAL EDUCATION REQUIREMENTS - 40 Credits Required					MATH MAJOR REQUIREMENTS - 31 credits				
Course	Number	Course Title	Credits	Grade	Course	Number	Course Title	Credits	Grade
<b>First Year Experience (F)</b>				<b>1 credit</b>					
UNIV	189	Skills for Academic Success	1		MATH	165	Calculus I	4	
<b>Communications Category (C)</b>				<b>12 credits</b>					
~ENGL	110	College Composition I	3		MATH	166	Calculus II	4	
ENGL	120	College Composition II	3		MATH	265	Calculus III	4	
COMM	110	Fundamentals of Public Speaking	3		MATH	266	Intro to Differential Equations	3	
ENGL		(Upper-Division Writing)	3		MATH	270	Intro/Abstract Mathematics	3	
<b>Quantitative Reasoning (R)</b>				<b>3 credits</b>					
MATH	165	Calculus I	4		MATH	429	Linear Algebra	3	
<b>Science &amp; Technology Category (S)</b>				<b>10 credits</b>					
					MATH	450	Real Analysis I	3	
					MATH	488	Numerical Analysis I	3	
					MATH	451 or 489	Real Analysis II <b>OR</b> Numerical Analysis	3	
					MATH	376	Actuarial Exam Study	1	
<b>Humanities &amp; Fine Arts (A) (Max of 3 cr in fine arts perform.)</b>					<b>STATISTICS MAJOR REQUIREMENTS - 16 credits</b>				
			3		STAT	330	Introductory Statistics	3	
			3		STAT	461	Applied Regression Models	3	
<b>Social &amp; Behavioral Sciences (B)</b>				<b>6 credits</b>					
ECON	201	Principles of Microeconomics	3		STAT	462	Intro/Experimental Design	3	
ECON	202	Principles of Macroeconomics	3		STAT	467	Prob & Math Stat I	3	
<b>Wellness Category (W)</b>				<b>2 credits</b>					
			2		STAT	468	Prob & Math Stat II	3	
<b>Cultural Diversity Category (D)</b>				<b>6 credits</b>					
			3		STAT	476	Actuary Exam Study II	1	
<b>Global Perspectives Category (G)</b>				<b>STATISTICS ELECTIVES: 9 credits at the 400-level other than those listed above</b>					
ECON	201	Principles of Microeconomics			STAT	4		3	
<b>COLLEGE REQUIREMENTS for a BS or BA Degree</b>					<b>RELATED REQUIRED COURSES</b>				
The College of Science & Mathematics requires an additional 6 credits in Humanities or Social Sciences for the BS degree and an additional 12 credits for the BA degree and two years proficiency of a modern foreign language.					CSCI	160	Computer Science I	4	
					CSCI	161	Computer Science II	4	
<b>BA Degree Requirements:</b>					<b>LAB SEQUENCE (choose 1 sequence) - 10 credits</b>				
2nd Yr Lang Proficiency					BIOL	150/Lab	General Biology & Lab I	3,1	
HUM or Soc Sci						151/Lab	General Biology & Lab II	3,1	
HUM or Soc Sci					BIOL	220/Lab	Human Anatomy/Phys. & Lab I	3,1	
HUM or Soc Sci						221/Lab	Human Anatomy/Phys. & Lab II	3,1	
HUM or Soc Sci					CHEM	121/Lab	Gen. Chemistry & Lab I	3,1	
HUM or Soc Sci						122/Lab	Gen. Chemistry & Lab II	3,1	
<b>BS Degree Requirements:</b>					CHEM	150/160	Prin. of Chem & Lab I	3,1	
HUM or Soc Sci						151/161	Prin. of Chem & Lab II	3,1	
HUM or Soc Sci					MICR	350/Lab	Gen Microbiology & Lab I	3,1	
HUM or Soc Sci						352/Lab	Gen Microbiology & Lab II	3,1	
<b>ALL COURSES ON THIS CURRICULUM ARE REQUIRED FOR THE MAJOR.</b>					Science Elective				
<b>More Curriculum continued on the back</b>					<b>OR Just the Physics courses listed below</b>				
					PHYS	251/Lab	Univ Physics & Lab I	4,1	
						252/Lab	Univ Physics & Lab II	4,1	
					<b>A grade of C or better is required on all major courses.</b>				

~First year students with a composite ACT score of  $\geq 21$  should register for ENGL 120 (unless transfer credit for ENGL 120 is received). If ENGL 120 is completed with a grade of "C" or better, three credits will be awarded for ENGL 110 with a passing grade (P). For more details on NDSU's English Placement process, go to [www.ndsu.edu/cfwriters](http://www.ndsu.edu/cfwriters).

Advisor: \_\_\_\_\_

**MATH & STATISTICS w/ Pre-Actuarial Science Option - Fall 2008 CONTINUED**

UNIVERSITY GRADUATION REQUIREMENTS			ACCOUNTING, BUSINESS, & ECONOMICS COURSES				
Residency at NDSU:	36 credits		ACCT	200	Elements of Accounting I	3	
Credits at a 4-yr University	60 credits		ACCT	201	Elements of Accounting II	3	
Courses numbers 300 or higher	37 credits						
Total credits required:	Minimum 122 credits						
NOTES/COMMENTS			ELECTIVES: Choose 9 credits				
<b>MATH 101 &amp; 102 credits do not count towards graduation</b> All courses taken to fulfill gen ed, college or major requirements may NOT be taken D/E  <b>D transfer grade credits will not count toward graduation,</b>			BUSN	340, 441, 442, 444			
			CSCI	453, 454			
			ECON	341, 343			
			ECON	400-482			

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