NAME: _____

ID: _____

NORTH DAKOTA STATE UNIVERSITY

College of Science & Mathematics

Statistics

Fall 2012

GENERAL EDUCATION REQUIREMENTS - 40 Credits Required				
Course	**Number**	**Course Title**	**Credits**	**Grade**
First Year Experience (F)			**1 credit**	
UNIV	189[1]	Skills for Academic Success	1	
Communication (C)			**12 credits**	
ENGL	110	College Composition I	3	
ENGL	120	College Composition II	3	
COMM	110	Fundamentals of Public Speaking	3	
ENGL		*(Upper-Division Writing)*	3	
Quantitative Reasoning (R)			**3 credits**	
MATH	165	Calculus I	4	
Science & Technology (S) (One course w/co-requisite lab)			**10 credits**	
Humanities & Fine Arts (A) (Max of 3 cr in fine arts perform.)			**6 credits**	
			3	
			3	
Social & Behavioral Sciences (B)			**6 credits**	
			3	
			3	
Wellness (W)			**2 credits**	
Cultural Diversity (D)				
Global Perspectives (G)				

COLLEGE REQUIREMENTS for a BS or BA Degree			
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.			
BA Degree Requirements:			
2nd Yr Lang Proficiency			
HUM or Soc Sci		3	
HUM or Soc Sci		3	
HUM or Soc Sci		3	
HUM or Soc Sci		3	
BS Degree Requirements:			
HUM or Soc Sci		3	
HUM or Soc Sci		3	

[1]Students transferring in 24 or more credits do not need to take UNIV 189.

NR = Not Required IP = In Progress T = Transfer Credit

STATISTICS MAJOR REQUIREMENTS - 38 credits				
Course	**Number**	**Course Title**	**Credits**	**Grade**
MATH	129	Basic Linear Algebra	2	
MATH	166	Calculus II	4	
MATH	265	Calculus III	4	
STAT	367	Probability	3	
STAT	368	Statistics	3	
STAT	461	Applied Regression Models	3	
STAT	462	Intro/Experimental Design	3	
STAT	476 or 491	Actuary Exam Study II/Capstone Sem.	1	
ELECTIVES: minimum 15 credits - choose 5 courses (can use only 1 CSCI course)				
CSCI	161	Computer Science II	4	
CSCI	228	Computing Fundamentals II	3	
CSCI	418	Simulation Models	3	
MATH	429	Linear Algebra	3	
STAT	450	Stochastic Processes	3	
STAT	451	Bayesian Stat Dec Theory	3	
STAT	460	Applied Survey Sampling	3	
STAT	463	Nonparametric Statistics	3	
STAT	464	Discrete Data Analysis	3	
STAT	465	Meta-Analysis Methods	3	
STAT	467	Prob & Math Stat I	3	
STAT	468	Prob & Math Stat II	3	
STAT	470	Stat SAS Programming	3	
STAT	472	Time Series	3	
STAT	477	Intro to Survival & Risk Analysis I	3	
STAT	478	Intro to Survival & Risk Analysis II	3	

RELATED REQUIRED COURSES - 6 credits minimum required				
Choose 1 of the following:				
CSCI	126	Beginning FORTRAN	3	
CSCI	160	Computer Science I	4	
CSCI	227	Computing Fundamentals I	3	
Choose 1 of the following:				
CSCI	222	Discrete Mathematics	3	
MATH	270	Intro/Abstract Math	3	

MINOR REQUIREMENT

A minor is required in one of the following areas: (check one)

□ **Social Science** □ **Physcial Science** □ **Biological Science**
□ **Business** □ **Mathematics** □ **Computer Science**

UNIVERSITY GRADUATION REQUIREMENTS AND NOTES/COMMENTS LISTED ON THE BACKSIDE OF THIS CURRICULUM GUIDE.

UNIVERSITY GRADUATION REQUIREMENTS		
Residency at NDSU (15 cr. @ NDSU)**:**	**36 Credits**	
Credits at 4-year University:	**60 Credits**	
Courses numbered 300+ (Min. 15 cr @ NDSU):	**37 Credits**	
Total Credits Required:	**122 Credits**	

NOTES/COMMENTS

A grade of 'C' or better is required for ALL courses used toward the major.

All courses taken to fulfill gen ed, college or major requirements may NOT be taken P/F.

ALL COURSES ON THIS CURRICULUM ARE REQUIRED FOR THE MAJOR

Additional Electives: Up to 31 Credits to Reach 122

Course	Number	Course Title	Credits	Grade