

Name: _____

ID: _____

NORTH DAKOTA STATE UNIVERSITY
College of Science & Mathematics
Mathematics & Statistics - Pre-Actuarial Option

Fall 2012

GENERAL EDUCATION REQUIREMENTS - 40 Credits Required

MATH MAJOR REQUIREMENTS - 27 Credits Required

Course	Number	Course Title	Credits	Grade	Course	Number	Course Title	Credits	Grade
First Year Experience (F) 1 credit					MATH	166	Calculus II	4	
UNIV	189 ¹	Skills for Academic Success	1		MATH	265	Calculus III	4	
Communication (C) 12 credits					MATH	266	Intro to Differential Equations	3	
ENGL	110	College Composition I	3		MATH	270	Intro/Abstract Mathematics	3	
ENGL	120	College Composition II	3		MATH	429	Linear Algebra	3	
COMM	110	Fundamentals of Public Speaking	3		MATH	450	Real Analysis I	3	
ENGL		(Upper-Division Writing)	3		MATH	488	Numerical Analysis I	3	
Quantitative Reasoning (R) 3 credits					MATH	451 OR 489	Real Analysis II OR Numerical Analysis II	3	
MATH	165	Calculus I	4		MATH	376	Actuarial Exam Study	1	
Science & Technology (S) (One course w/co-requisite lab) 10 credits					STATISTICS MAJOR REQUIREMENTS - 16 Credits Required				
					STAT	330	Introductory Statistics	3	
					STAT	461	Applied Regression Models	3	
					STAT	462	Intro/Experimental Design	3	
Humanities & Fine Arts (A) (Max of 3 cr in fine arts perform.) 6 credits					STAT	467	Prob & Math Stat I	3	
			3		STAT	468	Prob & Math Stat II	3	
			3		STAT	476	Actuary Exam Study II	1	
Social & Behavioral Sciences (B) 6 credits					STATISTICS ELECTIVES: 9 credits at the 400-level other than those listed above				
ECON	201	Principles of Microeconomics	3		STAT	4		3	
ECON	202	Principles of Macroeconomics	3		STAT	4		3	
Wellness (W) 2 credits					STAT	4		3	
			2		RELATED REQUIRED COURSES - 18 Credits Required				
Cultural Diversity (D)					*Fulfills Science and Technology				
					CSCI	160	Computer Science I	4	
Global Perspectives (G)					CSCI	161	Computer Science II	4	
ECON	201	Principles of Microeconomics			LAB SEQUENCE (choose 1 sequence and science elective) - 10 credits				
COLLEGE REQUIREMENTS for a BS or BA Degree					BIOL	150/L	General Biology I/Lab	3/1	
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.					BIOL	151/L	General Biology II/Lab	OR	3/1
					BIOL	*220/L	Human Anat & Phys I/Lab		3/1
BA Degree Requirements:					BIOL	221/L	Human Anat & Phys II/Lab	OR	3/1
					*CHEM	121/L	Gen. Chemistry I/Lab		3/1
2nd Yr Lang Proficiency					*CHEM	122/L	Gen. Chemistry II/Lab	OR	3/1
					*CHEM	150/160	Prin. of Chem I/Lab		3/1
HUM or Soc Sci					*CHEM	151/161	Prin. of Chem II/Lab	OR	3/1
					MICR	350/L	Gen Microbiology I/Lab		3/2
HUM or Soc Sci					MICR	352/L	Gen Microbiology II/Lab	AND	3/1
					BS Degree Requirements:				
HUM or Soc Sci					OR Just the Physics courses listed below				
					*PHYS	251/L	Univ Physics I/Lab		4/1
HUM or Soc Sci					*PHYS	252/L	Univ Physics II/Lab		4/1
					UNIVERSITY GRADUATION REQUIREMENTS AND ADDITIONAL NOTES/COMMENTS LISTED ON THE BACKSIDE OF THIS CURRICULUM GUIDE.				
¹ Students transferring in 24 or more credits do not need to take UNIV 189.					*Fulfills Science & Tech Gen Ed Requirements				
A grade of 'C' or better is required for ALL courses used toward the major.									

UNIVERSITY GRADUATION REQUIREMENTS

ACCOUNTING, BUSINESS, & ECONOMICS COURSES: 15 Credits Required

Residency at NDSU (15 cr. @ NDSU):	36 Credits		ACCT	200	Elements of Accounting I	3	
			ACCT	201	Elements of Accounting II	3	
Credits at 4-year University:	60 Credits		ELECTIVES: Choose 9 credits				
Courses numbered 300+ (Min. 15 cr @ NDSU):	37 Credits		CSCI	453, 454			
			ECON	341, 343			
Total Credits Required:	122 Credits		ECON	400-482			
			FIN	320, 410, 420, 450, 460			
			NOTES/COMMENTS				
			ALL COURSES ON THIS CURRICULUM ARE REQUIRED FOR THE MAJOR				