

Name: _____

NORTH DAKOTA STATE UNIVERSITY

College of Science & Mathematics

Mathematics & Statistics

Fall 2012

ID: _____

GENERAL EDUCATION REQUIREMENTS - 40 Credits Required					MATH MAJOR REQUIREMENTS - 32 Credits Required (including MATH 165 for Gen Ed)								
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	420	Abstract Algebra I	3					
COMM	110	Fundamentals of Public Speaking	3		MATH	429	Linear Algebra	3					
ENGL		(Upper-Division Writing)	3		MATH	450	Real Analysis I	3					
Quantitative Reasoning (R)			3 credits		MATH	451	Real Analysis II	3					
MATH	165	Calculus I	4		MATH	491	Capstone Seminar	2					
Science & Technology (S) (One course w/co-requisite lab)			10 credits		STATISTICS MAJOR REQUIREMENTS - 16 credits								
					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 or 491	Actuary Exam Study II or Capstone Sem.	1					
Social & Behavioral Science (B)			6 credits		STATISTICS ELECTIVES: 12 credits 400-level other than those listed above								
			3		STAT	4		3					
			3		STAT	4		3					
Wellness (W)			2 credits		STAT	4		3					
			2		STAT	4		3					
Cultural Diversity (D)					RELATED REQUIRED COURSES - 24 Credits Required								
					CSCI	160	Computer Science I	4					
Global Perspectives (G)					CSCI	161	Computer Science II	4					
					Choose 2 of the following - 6 Credits Required:								
COLLEGE REQUIREMENTS for a BS or BA Degree					CSCI	345	Topics on Personal Computers	3					
<p>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.</p> <p>BA Degree Requirements:</p> <p>2nd Yr Lang Proficiency</p> <p>HUM or Soc Sci</p> <p>HUM or Soc Sci</p> <p>HUM or Soc Sci</p> <p>HUM or Soc Sci</p> <p>BS Degree Requirements:</p> <p>HUM or Soc Sci</p> <p>HUM or Soc Sci</p>					CSCI	372	Comparative Programming Languages	3					
					CSCI	373	Assembly Programming	3					
					CSCI	458	Microcomputer Graphics	3					
					LAB SEQUENCE (choose 1 sequence and a science elective) - 10 credits								
					BIOL	150/L	General Biology I/Lab	3/1					
						151/L	General Biology II/Lab	OR	3/1				
					BIOL	*220/L	Human Anatomy & Phys I/Lab	OR	3/1				
						221/L	Human Anatomy & Phys II/Lab	OR	3/1				
					*CHEM	121/L	Gen. Chemistry I/Lab	OR	3/1				
						122/L	Gen. Chemistry II/Lab	OR	3/1				
					*CHEM	150/160	Prin. of Chem I/Lab	OR	3/1				
						151/161	Prin. of Chem II/Lab	OR	3/1				
<p>¹Students transferring in 24 or more credits do not need to take UNIV 189.</p> <p>A grade of C or better is required in all MATH & STAT courses.</p> <p>UNIVERSITY GRADUATION REQUIREMENTS AND ADDITIONAL NOTES/COMMENTS LISTED ON PAGE 2 OF THIS CURRICULUM GUIDE.</p>					MICR	350/L	Gen Microbiology I/Lab	AND	3/1				
										352/L	Gen Microbiology II/Lab	AND	3/1
											Science Elective		2
										OR Just the Physics courses listed below			
					*PHYS	251/L	Univ Physics I/Lab		4/1				
						252/L	Univ Physics II/Lab		4/1				
					*Fulfills Science & Technology General Education Requirement								

UNIVERSITY GRADUATION REQUIREMENTS		NOTES/COMMENTS
Residency at NDSU (15 cr. @ NDSU):	36 Credits	All courses taken to fulfill gen ed, college or major requirements may NOT be taken P/F.
Credits at 4-year University:	60 Credits	
Courses numbered 300+ (Min. 15 cr @ NDSU):	37 Credits	
Total Credits Required:	122 Credits	