MATHEMATICS, BACHELOR OF SCIENCE

Mathematics, Bachelor of Science Requirements

	equil ententa	
Code		edits
	ON REQUIREMENTS - 34 Hours	
Required	• •	
Minimum of "C-"requ Fundamental Skills		15
Writing – 6 hrs.	5	19
ENGL 1150	ENGLISH COMPOSITION I	
ENGL 1150	COLLEGE RESEARCH AND	
LINGLITTOO	INFORMATION LITERACY	
Oral Communice	ation – 3 hrs.	
CMST 1110	PUBLIC SPEAKING FUNDS	
or CMST 2120	ARGUMENTATION AND DEBATE	
Quantitative Lite	eracy – 3 hrs.	
MATH 1120	INTRODUCTION TO MATHEMATICAL AND COMPUTATIONAL THINKING	
or MATH 1130	QUANTITATIVE LITERACY	
or MATH 1140	QUANTITATIVE REASONING FOR HEALTHCARE PROFESSIONALS	
or MATH 1300	COLLEGE ALGEBRA WITH SUPPORT	
Data Literacy – 3	3 hrs.	
Select one from th	e following:	
STAT 1100	DATA LITERACY AND VISUALIZATION	
STAT 1530	ELEMENTARY STATISTICS	
approved data lite	udents can satisfy this requirement with an racy course, or any approved natural or eral education course.	
Breadth of Knowle		13
Social Science - 3	hrs.	
Humanities – 3 hrs	S.	
Natural & Physica	l Science (must complete a lab) – 4 hrs.	
Arts – 3 hrs.		
Individual and Soc	ial Responsibility	6
Cultural Knowledg	je – 3 hrs.	
Civic Knowledge a	nd Engagement – 3 hrs.	
MAJOR REQUIREM	ENTS	
**Course will satisfy l	JNO's General Education requirement	
^Course requires pre-	requisite(s)	
Mathematics Majo	or - 46 Hours Required	
Required Coursew	ork	25
MATH 1950	CALCULUS I (^)	
MATH 1960	CALCULUS II	
MATH 1970	CALCULUS III	
MATH 2050	APPLIED LINEAR ALGEBRA	
MATH 2230	INTRODUCTION TO ABSTRACT MATH	
MATH 2350	DIFFERENTIAL EQUATIONS	
MATH 3230	INTRODUCTION TO ANALYSIS	
Select one of the following		
CIST 1400	INTRODUCTION TO COMPUTER SCIENCE I	
MATH 2200	MATHEMATICAL COMPUTING I	

	MATH 3250	INTRODUCTION TO NUMERICAL			
	MATH/STAT cours	METHODS credits of approved 3000/4000 Level ses (excludes STAT 3000), which must	18		
		9 credits at the 4000 Level	45.00		
	•	(choose one option) e any UNO minor or undergraduate urs	15-30+		
ts	Option 2: Additional General Education Requirements - 18+ hours				
	Additional quan	titative literacy - 3 hours			
5	hours	al Science Gen. Ed. from another Discipline - 3			
	Additional Humanities Gen. Ed. from another Discipline - 3 hours HIST 1000 and HIST 1010 - 6 hours				
	hours	and Physical Science w/ or without Lab - 3-5			
	UNO major (30+ h				
		nce Cognate Requirement	15		
	advisor-approved, o	ience Degree requires at least 15 hours of complementary Cognate coursework.			
	ELECTIVES				
	_	equired to reach a total of 120 hours atics, Bachelor of			
		Concentrations			
	 Applied and Computational Mathematics (http://catalog.unomaha.edu/ undergraduate/college-arts-sciences/mathematics/mathematics-bs/ applied-computational-math-conc/) 				
	 Data Science (http://catalog.unomaha.edu/undergraduate/college-arts- sciences/mathematics/mathematics-bs/data-science-conc/) 				
3		ducation (http://catalog.unomaha.edu/under ences/mathematics/mathematics-bs/math-ed	-		
	•	search (http://catalog.unomaha.edu/undergra ences/mathematics/mathematics-bs/operatio)	,		
6		1athematics (http://catalog.unomaha.edu/ /college-arts-sciences/mathematics/mathemc ath-conc/)	itics-bs/		
	Pure Mathemat	tics (http://catalog.unomaha.edu/undergradu ences/mathematics/mathematics-bs/pure-ma	,		
	• Statistics (http:	//catalog.unomaha.edu/undergraduate/colle ematics/mathematics-bs/statistics-conc/)			
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