

MATHEMATICS, BACHELOR OF SCIENCE

Offered by Department of Mathematics and Statistics (<http://catalog.unk.edu/undergraduate/departments-programs/mathematics-statistics/>)

Code	Title	Credit Hours
General Studies		
<i>Foundational Requirements (LOPERs 1-4)</i>		14
Including:		
LOPER 2: Writing Skills		
ENG 101	Introduction of Academic Writing	
LOPER 4: Mathematics, Statistics and Quantitative Reasoning		
MATH 115	Calculus I with Analytic Geometry ¹	
<i>Broad Knowledge Requirements (LOPERs 5-8)</i>		11
Including:		
Take any one course in LOPER 5, LOPER 6, or LOPER 7 that also satisfies a Dispositional Requirement (LOPER 9 or LOPER 10) in addition to the Broad Knowledge Requirement. The courses that meet these criteria are listed at https://catalog.unk.edu/undergraduate/general-studies/courses-satisfy-broad-knowledge-dispositional (https://catalog.unk.edu/undergraduate/general-studies/courses-satisfy-broad-knowledge-dispositional/). See advisor for assistance.		
LOPER 8: Natural Sciences		
PHYS 275	General Physics I (Calculus)	
PHYS 275L	General Physics I (Calculus) Laboratory	
<i>Dispositional Requirements (LOPERs 9-10)</i> ²		6
<i>Wellness (LOPER 11) Optional</i>		0
Program Specific Requirements		3
ENG 102	Special Topics in Academic Writing and Research	
Major Option		
Complete all required courses		34
Minor or 2nd Major		
Complete all required courses ³		24
Unrestricted electives		
Needed to reach 120 credit hour minimum		28
Total Credit Hours		120

Must be completed with no grade below a "C".

Major Option

Code	Title	Credit Hours
Math Core Requirements		
MATH 202	Calculus II with Analytic Geometry	5
MATH 250	Foundations of Math	3
MATH 260	Calculus III	5
MATH 305	Differential Equations	3
MATH 350	Abstract Algebra	3

MATH 365	Complex Analysis	3
MATH 440	Linear Algebra	3
MATH 460	Advanced Calculus I	3
Electives		
Select 6 credit hours of the following:		6
MATH 300-MATH 499 ⁴		
STAT 300-STAT 499		
Total Credit Hours		34

1

Students without sufficient preparation will also need to take the following courses, increasing the total credit hours needed:

- MATH 102
- MATH 103

2

Designated courses with the appropriate content may be approved to satisfy one of the Broad Knowledge requirements plus LOPER 9 or Broad Knowledge plus LOPER 10. Courses may be approved to satisfy LOPER 9 or LOPER 10 alone. (Courses satisfying LOPER 9 or LOPER 10 alone must be 3 credit hours.) Students applying this option will need to take additional hours in other categories to meet the required GS hours.

3

A minor or second major is required for a complete degree program. The number of required electives needed to reach 120 total credit hours overall will depend upon the specific program chosen.

4

Except MATH 330, MATH 430 or MATH 470.