

PHYSICAL SCIENCE, BACHELOR OF SCIENCE

Offered by Department of Physics and Astronomy (<http://catalog.unk.edu/undergraduate/departments-programs/physics-astronomy/>)

Code	Title	Credit Hours
General Studies		
<i>Foundational Requirements (LOPERs 1-4)</i>		14
Including:		
LOPER 4: Mathematics, Statistics, and Quantitative Reasoning		
MATH 115	Calculus I with Analytic Geometry ¹	
<i>Broad Knowledge Requirements (LOPERs 5-8)</i>		14
Including:		
LOPER 8: Natural Science		
PHYS 275	General Physics I (Calculus)	
PHYS 275L	General Physics I (Calculus) Laboratory	
Dispositional Requirements (LOPERs 9-10) ²		6
<i>Wellness (LOPER 11) Optional</i>		0
BS Science-related course requirements		
Complete all required courses		8
MATH 202	Calculus II with Analytic Geometry	
MATH 305	Differential Equations	
Major Option		
Complete all required courses		35
Minor or 2nd Major		
Complete all required courses ³		24
Unrestricted electives		
Needed to reach 120 credit hour minimum		19
Total Credit Hours		120

Major Option

Code	Title	Credit Hours
Physical Science Core Requirements		
PHYS 276	General Physics II (Calculus)	4
PHYS 276L	General Physics II (Calculus) Laboratory	1
CHEM 160	General Chemistry	3
CHEM 160L	General Chemistry Laboratory	1
Physical Science Math Requirements		
MATH 260	Calculus III	5
Physical Science Electives		
Select 21 credit hours of the following: ⁴		21
CHEM 200-CHEM 499L		
PHYS 200-PHYS 499		
Total Credit Hours		35

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 approved to satisfy one of the Broad Knowledge requirements plus LOPER 9 or a Broad Knowledge requirement plus LOPER 10. Some courses approved satisfy LOPER 9 or LOPER 10 alone. Choosing a course that satisfies the Broad Knowledge requirement AND LOPER 9 or the Broad Knowledge Requirement AND LOPER 10 will reduce the total general studies 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

Electives must include one advanced course (300-400 level) in BOTH Chemistry AND Physics.

Please see Physics Physical Science Emphasis, BS. (<http://catalog.unk.edu/undergraduate/departments-programs/physics-astronomy/physics-bs/#physicalsciencefouryearplantext>)