



# Minot State UNIVERSITY

## Graduate School

## PROGRAM OF STUDY: SCIENCE

Students: This form is to be submitted to the Graduate School before the last day of the first semester as an admitted and enrolled graduate student. Please fill out the requested information and route to your advisor.

Name \_\_\_\_\_ ID# \_\_\_\_\_

Present Address \_\_\_\_\_ Phone \_\_\_\_\_

Required Courses	SH	To be completed by student	To be completed by Graduate School	
		Projected Semester	Grade	Semester Taken
<b>I. Fundamental Core: Require to ALL Students (11-18 SH)</b>				
SCI 501 Research Methods	3			
PSY 503 Statistics	3			
MATH 523 Probability of Statistics for Sec. School Teachers	3			
SCI 505 Biogeochemical Cycles	3			
ED 519 Diversity in a Global Perspective	2			
SCI 579 Research	0-2			
SCI 599 Thesis	2			
<b>II. Science Area Concentration ( 17 SH Minimum)</b>				
<b>List A</b>				
BIOL 520 Advanced Development Biology	3			
BIOL 530 Advanced Anatomy & Physiology	3			
BIOL 550 Ecology of Great Plains	3			
BIOL 570 Frontiers in Biology	3			
BIOL 590 Seminar	1-6			
BIOL 592 Special Topics	1-6			
BIOL 597 Independent Study	1-6			
CHEM 510 Organic Chemistry for Teachers	3			
CHEM 520 Physical Chemistry for Teachers	3			
CHEM 550 Inorganic Chemistry for Teachers	3			
CHEM 570 Frontiers in Chemistry	3			
CHEM 590 Seminar	1-6			
CHEM 592 Special Topics	1-6			
CHEM 597 Independent Study	1-6			
GEOL 510 Advanced Physical Geology	3			
GEOL 520 Physical Chemistry for Teachers	3			
GEOL 550 Advanced Mineralogy & Petrology	3			
GEOL 570 Global Plate Tectonics	3			
GEOL 590 Seminar	1-6			
GEOL 592 Special Topics	1-6			
GEOL 597 Independent Study	1-6			
PHYS 590 Seminar	1-3			
PHYS 592 Special Topics	1-6			
PHYS 597 Independent Study	1-3			

SCI 590 Seminar	1-3			
SCI 592 Special Topics	1-3			
SCI 597 Independent Study	1-3			
<b>III. Elective (2-9 SH)</b>				
At least two (2) from List B or from List A not used in Category II. Any of the graduation courses offered at Minot State may be considered if the student's Graduate Advisory Committee feels course work is consistent with the student's overall degree plan, job responsibilities, and interests. Non-science courses, especially suited to elective status in the MAT: Science degree, are found in List B below.				
<b>List B Possible Non-Science Electives</b>				
ED 521 Computer Assisted Instruction				
MATH 507 History of Mathematics				
MATH 509 Problem Solving				
MATH 511 Trends in Mathematics Education				
MATH 513 Technology in Mathematics				
MATH 540 Geometry				
MATH 552 Computer Language				
MATH 560 Real Analysis				
MATH 565 Calculus for Teachers				
MATH 580 Algebra				
MATH 592 Special Topics				
<b>Total Number of Semester Hours</b>				

Student's Signature	Date
Program Director or Advisor's Signature	Date
Department Chairperson's Signature	Date
Dean Approval/Signature	Date

**Please forward original Program of Study to the Graduate School.**

The maximum time limit for completion of a graduate program is seven (7) years. This is calculated from the date the student first enrolls in coursework for graduate credit required for the degree. Should any of the coursework exceed the time limit, the classes would have to be revalidated or repeated. It is the student's responsibility to see that transfer credit (maximum of 12 semester hours) or other program changes have the written recommendation of his/her advisor and department/division chairperson. Forms to transfer credit may be obtained from the Graduate School website. Students are responsible for acquiring letters, with department/division chairperson approval, explaining changes from their original program of study.