

≈ Science Teaching: Earth Science 2009-2010 ≈

College of Social and Behavioral Sciences
Minnesota State University, Mankato
Armstrong Hall 07 (507) 389-2617

Website: <http://sbs.mnsu.edu/geography/programs/undergraduate/earthscience.html>

Leads to teacher licensure in General and Earth & Space Science Grades 5-12. Students must complete 33 credits of Professional Education in addition to the 63 credits for the major. Admission to Major is granted by the department.

Minimum university admission requirements are:

-a minimum of 32 earned semester credit hours.

-a minimum cumulative GPA of 2.00

Contact the department for application procedures.

SCIENCE TEACHING: EARTH SCIENCE MAJOR **(63 credits)**

Required Science Courses (31 credits)

AST	101	Intro to Astronomy	(3)
BIOL	105	General Biology I	(4)
BIOL	106	General Biology II	(4)
CHEM	201	General Chemistry I	(5)
GEOL	121	Physical Geology	(4)
GEOL	310	Earth & Space Systems	(3)
PHYS	211*	Principles of Physics I	(4)
PHYS	212*	Principles of Physics II	(4)

* PHYS 221, PHYS 222, PHYS 223, PHYS 232 and PHYS 233 may substitute. The additional credit hours will reduce the number of credits in the advanced physics courses.

Required Core Courses (24 credits)

AST	125	Observational Astronomy	(3)
GEOG	217	Weather	(3)
GEOG	315	Geomorphology	(3)
GEOG	410	Climatic Environments	(3)
GEOL	122	Earth History	(4)
GEOL	201	Elements of Mineralogy	(4)
GEOG	464	Teaching Earth Science	(4)
-or-			
GEOL	479	Teaching Earth Science	(4)

Required Research Courses (1-3 credits)

Choose **ONE** of the following

GEOG	440	Field Studies: Colorado	(3)
GEOG	440	Field Studies: Field Methods	(3)
GEOG	480	Seminar	(1-4)
GEOG	499	Individual Study	(1-3)
GEOG	499	Individual Study	(1-5)

Required Elective Courses (9 credits)

Choose from at least **TWO** departments

AST	102	Intro to the Planets	(3)
AST	104	Intro to Experimental Astronomy	(2)
GEOG	373	Intro to Geographic Info Systems	(4)
GEOG	420	Conservation of Nat.'l Resources	(3)
GEOL	330	Structural Geology	(4)
GEOL	350	Environmental Geology	(4)
GEOL	450	Hydrogeology	(3)

Required General Education Course (3 credits)

HLTH	310	Drug Education	(3)
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Required Professional Education Courses (30 credits)

Block 1

KSP	210	Creating & Manag. Learn. Env.	(2)
KSP	220W	Human Rel. in a Multicul. Soc.	(3)

Floating Course (can be taken with Block 1 or 2)

KSP	201	Media Utilization	(2)
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Clinical Hours for Block 1: 28

Block 2

KSP	310	Dev. & Learn. In Inclusive Class.	(5)
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Clinical Hours for Block 2: 30

Block 3

KSP	410	Phil. & Pract. In the Schools	(3)
KSP	420	Plan., Instruct. & Eval. In School	(3)

Clinical Hours for Block 3: 30

Block 4

KSP	475	Social Context of Learning	(1)
KSP	477	5-12 Student Teaching	(11)

Minor Required: None

The information listed comes from the University Bulletin and any discrepancies defer to the bulletin. This document is available in alternative format to individuals with disabilities by calling Student Relations, College of Social & Behavioral Sciences at (507)389-6303 (V) or (800) 627-3529 (MRS/TTY).