

CIVIL AND ENVIRONMENTAL ENGINEERING DEPARTMENT

ENVIRONMENTAL ENGINEERING MINOR



Environmental engineers design systems and solve pressing global problems in all areas related to the environment and public health: sustainable design of drinking water treatment and wastewater treatment, and solid and hazardous waste disposal systems; development of air quality monitoring and pollution prevention programs; design of site remediation and mining reclamation programs; and development of ecosystem protection and restoration efforts, among others. Students may pursue an environmental engineering education as an emphasis area in the BS Civil Engineering degree program (see <http://cee.sdsmt.edu> for details), and/or pursue an Environmental Engineering Minor.

Students from any discipline at the School of Mines may pursue a Minor in Environmental Engineering by completing 18 credit hours of coursework as described below.



Program Coordinator: Dr. James Stone

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605-394-2443

REQUIRED CORE COURSES:

CBE 217 Material and Energy Balances

CEE 326 Environmental Engineering 1

CEE 327 Environmental Engineering 2

BIOL 341 Microbial Processes in Eng. and Natural Sciences

In addition, students select two 3-credit elective courses from the list below. To ensure that enrollees gain the broad and interdisciplinary background expected in the environmental engineering discipline, one elective must be taken from a discipline outside the student's major field of study.

CBE 455	Pollution Phenomena & Process Design
CEE 426	Environmental Engineering Physical/ Chemical Process Design
CHEM 326	Organic chemistry I
CHEM 482	Environmental chemistry
GEOE/CEE 421/521	Aqueous geochemistry
GEOE 475/575/L	Groundwater
IENG 331	Safety engineering
MEM 405	Mine Permitting & Reclamation
MET 220/L	Mineral Processing & Resource Recovery



SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY
NOTIFICATION OF INTENT TO SEEK A MINOR

DATE _____

TO Registrar and Academic Services

FROM _____

NAME

STUDENT ID NUMBER

I propose to qualify for a minor in the following field of study _____

My Major is _____

My anticipated date of graduation is _____

I understand that at least 18-24 semester credits are required in subjects approved by the Major and Minor departments of study. A total of 9 credits of the 18-24 semester credits must be taken at SDSM&T and cumulative GPA average of 2.00 or better is required.

The subjects that are to be used to meet the requirements for the designated minor are

DEPT.	COURSE#	TITLE	CREDIT HOURS
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Courses approved on _____ by _____ Major Department
Date Signature, Department Head

Courses approved on _____ by _____ Minor Department
Date Signature of Minor Coordinator, James Stone, PhD

I request that upon graduation the listing of this minor be included on my transcript.

Signature

Date