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.

** 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

You must fill out the Notification of Intent to Seek a Minor form, with the appropriate signatures and turn it in to the registrar’s office by the beginning of the first semester of your senior year. This is only a sample program of study. For full details please consult the catalog at catalog.sdsmt.edu and the department website.

Program Coordinator: Dr. James Stone
james.stone@sdsmt.edu
605-394-2443
NOTIFICATION OF INTENT TO SEEK A MINOR

DATE __________________________

TO __________________________

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

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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