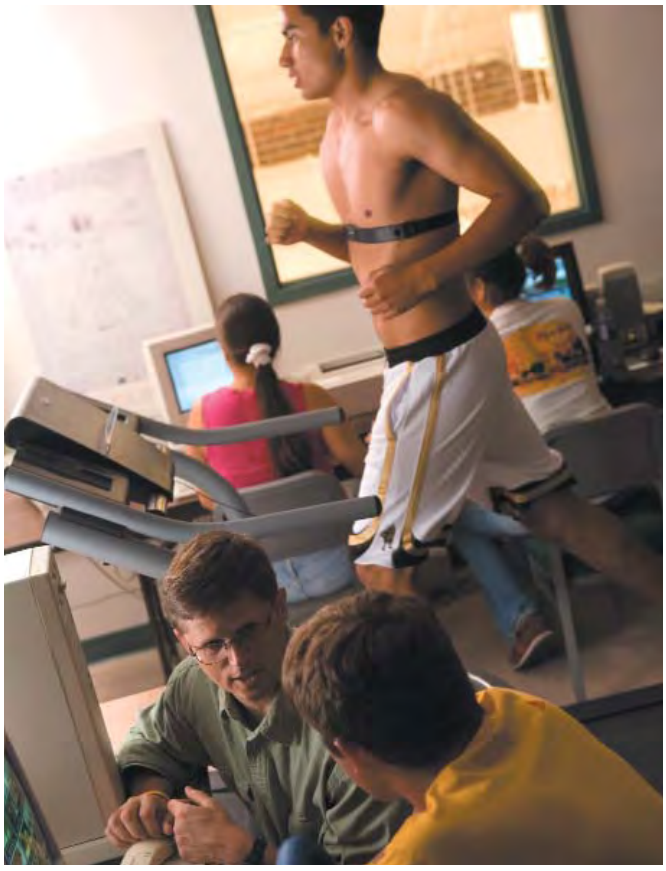
Interdisciplinary Sciences – Science, Technology, and Society



Career Profile

The science, technology, and society specialization combines a strong science background with a firm grounding in environmental, social, and science policy issues. This track will build the foundation for additional study in law school or graduate programs in science policy or public policy. Possible careers include positions in community and government agencies, in science and technology companies, in the military, or as science lobbyists.

Accreditation

The South Dakota School of Mines and Technology is accredited by the Higher Learning Commission of the North Central Association of Colleges and Secondary Schools, the recognized accrediting agency for the north central states. In 2006, the HLC voted to continue accreditation of the School of Mines. The School of Mines has been accredited since 1925.

Faculty

Faculty members from many departments across campus teach courses in the Interdisciplinary Sciences degree track, giving students a wide perspective in many areas of study.

Features and Strengths

The interdisciplinary sciences program provides students with the world-class science education the School of Mines is known for, but with the added benefit of flexibility in a wide range of study. Individual degree design and the opportunity to study natural sciences, social sciences, humanities, and liberal arts from a broad perspective result in a well-rounded education.

Program Overview

All IS students take a 60-credit core of math, computer science, and natural science courses. These are complemented with program specialized courses.

Students in the science, technology, and society specialization pursue a science concentration, such as environmental sciences, or a minor in a science field, which is complemented by studies in areas such as political science, history, humanities, English, or philosophy.

Outcomes

- 98 percent of 2005-06 School of Mines graduates were placed in their field or entered a graduate program within a year of graduation.
- School of Mines graduates received salary offers that average approximately $54,000.
- 80 percent of graduates gain real-life experience through internships and co-ops.

Student Organizations

Students at the School of Mines also have a variety of opportunities for extra-curricular activities that range from music, intramurals, and drama to ski and snowboarding clubs, and more than 75 other clubs and professional student organizations. These are important activities for our students and we encourage them to take full advantage of out-of-classroom events.

The Center for Advanced Manufacturing and Production (CAMP) is designed to teach students engineering, science and design skills, as well as the ability to work in teams. Team members design, build, market and raise the money for

their projects. All students are welcome to work on CAMP projects.

Research

A senior capstone experience allows students to conduct a research project that reflects their professional goals and integrates the course work leading to an Interdisciplinary Sciences degree.

Curriculum Listing

http://catalog.sdsmt.edu

SCIENCE, TECHNOLOGY, AND SOCIETY: CURRICULUM/COURSE CHECKLIST

Course sequence may vary by student entry year, math/science placements, and career objectives. Students should consult with their advisors for a more personalized course of study based on career plans.

FRESHMAN YEAR

First Semester

ENGL 101	Composition I	3
IS 110	Explorations	2
Math/CSC Elective[1]		3
Science Elective[2]		4
Gen Ed Humanities/Social Science Elective		3
TOTAL		**15**

Second Semester

Math/CSC Elective		3
PE	Physical Education	1
Science Electives		7
Gen Ed Humanities/Social Science Elective		3
Elective[3]		3
TOTAL		**17**

SOPHOMORE YEAR

First semester

ENGL 279	Technical Communications I	3
IS 201	Introduction to Science, Technology, and Society	3
PE	Physical Education	1
Science Elective		4
Gen Ed Humanities/Social Science Elective		3
Elective		3
TOTAL		**17**

Second Semester

ENGL 289	Technical Communications II	3
Math/CSC Elective		3
Science Elective		4
Gen Ed Humanities/Social Science Elective		3
Elective		3
TOTAL		**16**

JUNIOR YEAR

First Semester

Math/CSC Elective	3
Science Electives	7
Upper Division HU/SS Elective	3
Elective	3
TOTAL	**16**

For More Information contact:
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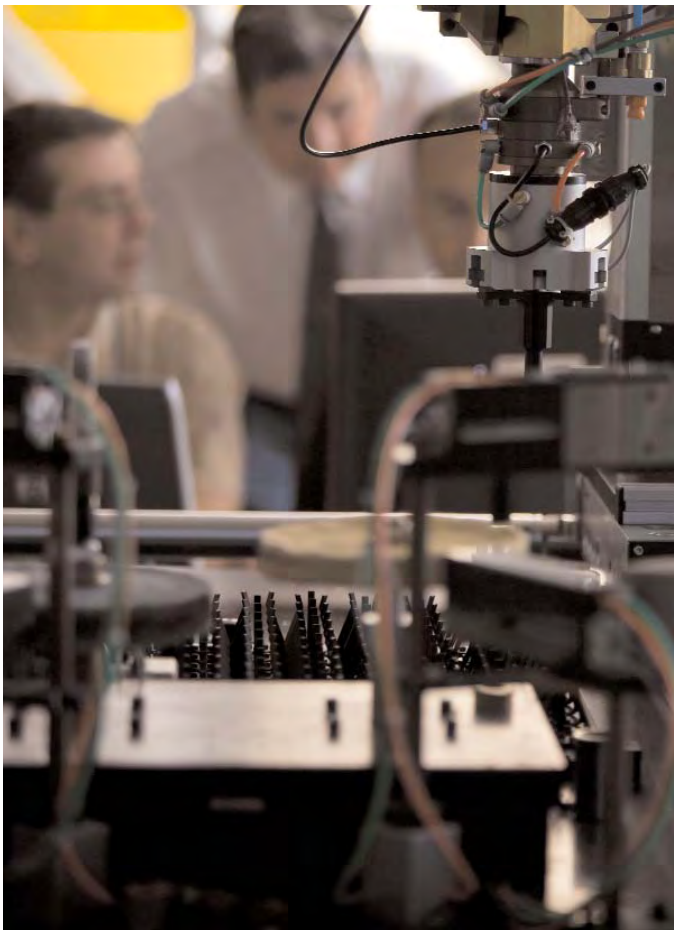

Second Semester

Science Electives	7
Upper Division HU/SS elective	3
Elective	6
TOTAL	**16**

SENIOR YEAR

First Semester

IS 401	Writing and Research in the Interdisciplinary Sciences	3
Science Electives		8
Upper Division HU/SS Elective		3
Elective		1
TOTAL		**15**

Second Semester

IS 498	Undergrad Res/Scholarship	3
Science Electives		7
Upper Division HU/SS Elective		3
Elective		3
TOTAL		**16**

128 credits required for graduation