

# Interdisciplinary Sciences – Business Applications in Science and Technology



## Career Profile

Get ready for one of the most important growth careers of this century by integrating business principles into the science and technology industry through the business applications in science and technology specialization. Students will be prepared for additional study in MBA or Technology Management programs. Potential careers also include pharmaceutical sales, business consulting, or employment in community and government science agencies.

## 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. A strong background in mathematics and natural sciences is complemented with course work in business. Through collaboration with Black Hills State University College of Business and Technology, students in this area of study complete a minor in either business administration or entrepreneurial studies.

## Outcomes

- 98 percent of 2005-06 School of Mines graduates were placed in their field or have 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>

### SPECIALIZATION IN BUSINESS APPLICATIONS IN SCIENCE AND TECHNOLOGY-- BUSINESS ADMINISTRATION MINOR: CURRICULUM/COURSE CHECKLIST

#### FRESHMAN YEAR

##### First Semester

ENGL 101	Composition I	3
IS 110	Explorations	2
Math/CSC Elective <sup>1</sup>		3
Science Elective <sup>2</sup>		4
<b>TOTAL</b>		<b>15</b>

##### Second Semester

Math/CSC Elective		6
PE	Physical Education	1
Science Electives		7
Gen Ed Humanities/Social Sciences Elective		3
<b>TOTAL</b>		<b>17</b>

#### SOPHOMORE YEAR

##### First semester

ACCT 210	Principles of Accounting I	3
ENGL 279	Technical Communications I	3
IS 201	Intro to Science, Technology, and Society	3
PE	Physical Education	1
Science Elective		4
Gen Ed Humanities/Social Science Elective		3
<b>TOTAL</b>		<b>17</b>

##### Second Semester

ACCT 211	Principles of Accounting II	3
ENGL 289	Technical Communications II	3
Science Electives		7
Gen Ed Humanities Elective		3
<b>TOTAL</b>		<b>16</b>

#### JUNIOR YEAR

##### First Semester

BADM 336	Entrepreneurship I	3
Math/CSC Elective		3
Science Electives		7
Upper Division Humanities Elective		3
<b>TOTAL</b>		<b>16</b>

##### Second Semester

BADM 438	Entrepreneurship II	3
BADM 360	Organization and Mgmt	3
Science Electives		10
<b>TOTAL</b>		<b>18</b>

#### SENIOR YEAR

##### First Semester

IS 401	Writing and Research in the Interdisciplinary Sciences	3
BADM 334	Small Business Management	3
BADM 370	Marketing	3
Science Electives		4
Upper Division Humanities Elective		3
<b>TOTAL</b>		<b>16</b>

#### For More Information contact:

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##### Second Semester

BADM 474	Personal Selling	3
BADM 492	Business Plan Writing and Competition	1
IS 498	Undergrad Res/Scholarship	3
Science Electives		6
Upper Division Social Sciences Elective		3
<b>TOTAL</b>		<b>16</b>

**128 credits required for graduation**