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Program Overview

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 as attorneys, in community and government agencies, in science and technology companies, in the military, or as science lobbyists.

Curriculum

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.

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		3
Science Elective		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
TOTAL		17

Sophomore Year

First Semester

ENGL 279	Technical Comm 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 Comm 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

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

All IS specializations require Math 123 or a math course requiring Math 123 as its prerequisite. Math 102 and Math 120 may be used towards graduation requirements. Students should consult with their advisors on the most appropriate math/computer science courses for their career paths.

All IS specializations require a minimum of 30 semester hours of natural sciences including a minimum of three semester hours in chemistry, three semester hours in biology, six semester hours of a science sequence, and 12 semester hours at the upper division level. Students pursuing the science, technology, and society specialization are expected to choose a science concentration. A minor in a science field (e.g., atmospheric science, computer science, geology, mathematics, physics, occupational safety) is highly encouraged. Students should consult with their advisors to determine the most appropriate science courses and sequence for their career paths.

Elective credits may include additional college course work at the 100 level or above in math, computer science, sciences, humanities, interdisciplinary sciences, social sciences, business, military science, or engineering as needed to meet the required minimums or to qualify for a science minor. Students should consult with their advisors to determine the most appropriate elective courses for their career goals.