Requirements

In addition to completing the IS core courses and all other university requirements in physical education, humanities, social sciences, and writing/communications, pre-radiography students will complete the following required courses:

12 Semester Hours of Mathematics/Computer Science Courses, including	
Math 123	Calculus I
CSC elective:	CSC 105, CSC 150, or other appropriate 3 credit CSC course
30 Semester Hours of Science Courses, including	
Biol 121/121L	Basic Anatomy and Lab
Biol 123/1/23L	Basic Physiology and Lab
Chem 112/112L	General Chemistry I and Lab
Chem 114/114L	General Chemistry II and Lab
Phys 111/111L[2]	Introduction to Physics I and Lab **AND**
Phys 113/113L	Introduction to Physics II and Lab

Note: All IS specializations require a minimum of 12 semester hours in the natural sciences at the upper division. Radiography coursework from Rapid City Regional Hospital may be used to fulfill this requirement if the student completes the RT program and returns to SDSM&T to complete the B.S.I.S. program.

An Additional 18 Semester Hours of Math, Computer Science, or Science.

Radiography coursework from RCRH may be used to fulfill this requirement. (See above.)

Required Support Courses	
Psyc 101	General Psychology **OR**
Soc 100	Introduction to Sociology

Medical Terminology[3]	Available via the Internet from DSU, NSU, SDSU, and USD. (elective credit only)

[1]Students must meet all prerequisites for the radiography program and all requirements for the IS degree and complete the radiography program to be eligible for the IS degree with a pre-professional health sciences specialization. Students complete the radiography program before returning to SDSM&T to take IS 401 and IS 498. Students transfer back in approximately 90 science and elective credits to be used toward the IS degree.

[2]The RCRH radiography program requires a year of general chemistry or a year of college physics; note, however, that the IS degree requires a minimum of 3 semester hours of chemistry, at the level of Chem 112 or higher. To be competitive during the Rapid City Regional Hospital selection process, students should take a year of both chemistry and physics and their associated labs.

[3]Medical terminology is required by RCRH but not by SDSM&T. Credit can be transferred to SDSM&T from DSU, SDSU, USD, NSU or another accredited university but not from WDTI.

Students are encouraged to consult the admissions webpage of radiography programs for application requirements and deadlines and to determine which elective courses will be most useful. Please note that SDSM&T does not participate in the selection process for the RCRH program; acceptance into the IS program at SDSM&T does not guarantee acceptance into the RCRH radiography program.