

CURRICULUM

SANFORD MEDICAL CENTER SIOUX FALLS SCHOOL OF RADIOLOGIC TECHNOLOGY CURRICULUM

First Year Clinical Rotations:

During the first year, students will rotate through the following areas:

- Clerical Rotation (1 week)
- Routine Radiographic Rooms
- Fluoroscopic Rooms
- Mobile Radiography
- Surgery
- Emergency Department
- Interventional Radiography
- Sanford Children's Hospital
- Medical Building 2/OP clinic
- Van Demark Outpatient Clinic
- Weekday Evening Rotation
- Weekend Rotation
- Transport (1 week)
- Imagenetics Clinic

(NOTE: All clinical rotation sites are directly connected to the main hospital, except the Sanford Clinic 49th & Oxbow.)

First Year Courses

The following is a list of courses which are taught at Sanford Medical Center. The content is structured to include those courses of a curriculum recognized by the JRCERT. The program requires full-time attendance.

First Quarter Courses

Course Number	Course	Clock Hours
Rad. Tech. 1111	Introduction to Radiology	25
Rad. Tech. 1112	Patient Care & Education I	36
Rad. Tech. 1113	Medical Terminology I	15
Rad. Tech. 1114	Anatomy & Physiology I	30
Rad. Tech. 1115	Radiation Protection	60
Rad. Tech. 1116	Imaging Procedures I	30
Rad. Tech. 1119	Applied Radiography I	250

Second Quarter Courses

Course Number	Course	Clock Hours
Rad. Tech. 1212	Patient Care and Education II	36
Rad. Tech. 1213	Medical Terminology II	15
Rad. Tech. 1214	Anatomy & Physiology II	30

Rad. Tech. 1216	Imaging Procedures II	30
Rad. Tech. 1118	Image Evaluation I	12
Rad. Tech. 1117	Image Acquisition I	32
Rad. Tech. 1219	Applied Radiography II	265

Third Quarter Courses

Course Number	Course	Clock Hours
Rad. Tech. 1314	Anatomy & Physiology III	30
Rad. Tech. 1316	Imaging Procedures III	30
Rad. Tech. 1218	Image Evaluation II	13
Rad. Tech. 1217	Image Acquisition II	32
Rad. Tech. 1319	Applied Radiography III	350

Fourth Quarter Courses

Course Number	Course	Clock Hours
Rad. Tech. 1414	Anatomy & Physiology IV	40
Rad. Tech. 1416	Imaging Procedures IV	40
Rad. Tech. 1318	Image Evaluation III	25
Rad. Tech. 1419	Applied Radiography IV	350

Second Year Clinical Rotations:

During the second year, students will rotate through the following areas:

- Routine Radiographic Rooms
- Fluoroscopic Rooms
- Mobile Radiography
- Surgery
- Emergency Department
- Interventional Radiography
- Sanford Children's Hospital
- Sanford Heart Hospital
- Medical Building 2/OP Clinic
- Van Demark Outpatient Clinic
- Sanford Clinic 49th & Oxbow
- Weekday Evening Rotation
- Weekend Rotation
- Computerized Tomography (3 weeks)
- Magnetic Resonance Imaging (2 weeks)
- Ultrasound- Elective
- Mammography – Elective
- Nuclear Medicine – Elective
- Radiation Therapy – Elective
- Physician Assistant – Elective

(NOTE: All clinical rotation sites are directly connected to the main hospital, except the Sanford Clinic 49th & Oxbow.)

Second Year Courses

Fifth Quarter Courses

Course Number	Course	Clock Hours
Rad. Tech. 2111	Radiation Physics	45
Rad. Tech. 2112	Imaging Equipment & Quality Control	69
Rad. Tech. 2212	CT Imaging	16
Rad. Tech. 2113	Image Evaluation IV	15
Rad. Tech. 2119	Applied Radiography V	310

Sixth Quarter Courses

Course Number	Course	Clock Hours
Rad. Tech. 2114	Radiation Biology	30
Rad. Tech. 2213	Image Evaluation V	28
Rad. Tech. 2116	Scientific Research Paper	28
Rad. Tech. 2213	Image Evaluation V	15
Rad. Tech. 2219	Applied Radiography VI	350

Seventh Quarter Courses

Course Number	Course	Clock Hours
Rad. Tech. 2313	Image Evaluation VI	15
Rad. Tech. 2115	Radiographic Pathology I	30
Rad. Tech. 2117	Comprehensive Review I	60
Rad. Tech. 2319	Applied Radiography VII	350

Eighth Quarter Courses

Course Number	Course	Clock Hours
Rad. Tech. 2413	Image Evaluation VII	15
Rad. Tech. 2215	Radiographic Pathology II	30
Rad. Tech. 2217	Comprehensive Review II	50
Rad. Tech. 2419	Applied Radiography VIII	290