

Radiologic Technology

Plan of Study Saint Cloud State University Version: December 16, 2021

Medical Physics email address: medicalphysics at stcloudstate dot edu

Fall Semester	Spring Semester
BIOL 202 (Human Anatomy and Physiology I)--4 credits [Need satisfactory placement score or "C" or better in BIOL 103 or 151] CHEM 210 (Gen. Chem. 1)--4 credits [take CHEM 160 (Prep. Chem.) before 210 if needed--4 credits] MATH 112 (College Algebra)--3 credits [need satisfactory math placement score or MATH 072 first] PHYS 131 (Preparatory Physics)--3 credits Elective (any course)--1 credit or more Total: 15 credits Complete job shadowing this semester; turn in form. Transfer students: apply to Radiologic Technology program at end of this semester if requirements are met; application deadline is January 1.	BIOL 266 (Medical Terminology)--2 credits BIOL 204 (Human Anatomy and Physiology II)--4 credits PHYS 231 (Gen. Physics I)--4 credits [PHYS 131 and MATH 112 needed before PHYS 231] PHIL 212 Moral Problems and Theories (goal areas 6 and 9)--3 credits Liberal education--3 credits Total: 16 credits Start getting direct patient contact experience (continue this also during the summer; this kind of experience is very important). Non-transfer students: apply to Radiologic Technology program at end of this semester; application deadline is June 1.
Fall Semester	Spring Semester
PHYS 232 (Gen. Physics II)--4 credits PHYS 308 (Informatics for Radiologic Technologists)--3 credits CMST 192 (Intro. to Comm. Studies)--3 credits ENGL 191 (Intro. to Writing)--4 credits Liberal Education--3 credits Total: 17 credits Apply for clinical internship this semester.	PHYS 408 (Physics of Digital Medical Imaging)--3 credits [PHYS 232 needs to be completed before PHYS 408] PHIL 194 (Critical Reasoning) or other Goal 2 Lib. Ed.--3 credits Liberal Education--3 credits Liberal Education--3 credits Liberal Education--3 credits Total: 15 credits
Third Year (Fall, Spring, Summer—12 months)	
Fall: RADT 354 (Clinical Radiologic Science I)--12 credits [This year is the first year of the required clinical internship courses.]	Spring: RADT 375 (Clinical Radiologic Technology II)--12 credits; PHYS 309 (Radiologic Science Seminar)--1 credit Summer: RADT 354 (2 credits); RADT 375 (2 credits)
Fourth Year (Fall, Spring, Summer—approximately 12 months)	
Fall: RADT 454 (Clinical Radiologic Science III)--12 credits [This year is the second year of the required clinical internship courses.]	Spring: RADT 475 (Clinical Radiologic Technology IV)--12 credits Summer: RADT 454 (2 credits); RADT 475 (2 credits) Total Credits: 120

BIOL 202, PHYS 308: only offered in the Fall semester. PHYS 232 cannot be taken in Spring of year 2.

BIOL 204, PHYS 408: only offered in the Spring semester.

IMPORTANT NOTES:

1. Courses should be taken in the order given above. The above plan takes into account when courses are offered and what pre-requisites are needed for each course. Students who take courses at different times run the risk of needing more time to finish the program. The required courses are not taught every semester.
2. Students interested in this program should choose Radiologic Technology as their major and should get advising help from an adviser knowledgeable about the SCSU Radiologic Technology program.
3. This major will fulfill the requirements for two Liberal Education goal areas: Goal 3 (Natural Sciences) and Goal 4 (Mathematical/Logical Reasoning).
4. This is a competitive program, as are all medical programs. Some competition in terms of obtaining a clinical internship should be expected by the students. A clinical internship is required. There is no guarantee or promise that a student will get a clinical internship. Each student needs to have a backup plan (i.e., an alternate major) in case he or she cannot get a clinical internship.
5. As part of your liberal education courses, take PHIL 212. If you are interested in taking another course to fulfill this requirement, check with medicalphysics at stcloudstate dot edu first. Not all PHIL 212-equivalent courses are acceptable.
6. A background check will be required.
7. Transfer students need to complete at least 30 credits at SCSU before May of year 2.