

RADIOLOGIC TECHNOLOGY MAJOR (A)

Radiologic Technologists (R.T.s., Rad Techs, X-ray)) are medical professionals who perform diagnostic imaging examinations. They are educated in anatomy and physiology, disease processes, physics, radiation safety and patient care. Radiologic technologists are employed in various health care settings including hospitals or clinics, industry, research, administration or education.

This major is a four-year course of study leading to a Bachelor of Science degree in Radiologic Technology. The degree is structured as a 2 plus 2 program. The first 2 years are conducted at Concordia University, where core and pre-professional requirements are completed. Students receive a strong liberal arts education in a Christian setting. Near completion of the pre-professional requirements, the student will apply to our (JRCERT (<https://www.jrcert.org/>)) accredited, hospital-based partner programs in Radiologic Technology. Upon acceptance, student will complete the remaining 2 years (21-24 months) within this program. Upon successful completion of all program requirements, students will be awarded a Bachelor of Science degree in Radiologic Technology from Concordia University Wisconsin.

Students who graduate with a BS in Radiologic Technology have an opportunity to specialize in the many, various fields of radiologic technology such as general/conventional radiology, interventional radiology (IR), computed tomography (CT), magnetic resonance imaging (MRI), and Mammography. Students graduate with a Bachelor of Science degree from Concordia University and are qualified to apply for the certification exams.

Accreditation

The pre-professional studies at CUW are accredited by the Higher Learning Commission. The Radiologic Technology education within our hospital-based partner affiliates is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT (<https://www.jrcert.org/>)).

Pre-professional Requirements

Students in the Radiologic Technology major complete the Concordia core courses, liberal arts dimensions and additional pre-requisite courses for the major. Students must maintain a minimum overall GPA of 2.5 and must achieve a minimum of C (2.0) in the following courses: Algebra (or higher), Communications, Computers, Medical Terminology and Anatomy & Physiology courses. These courses should be completed before the application to the RT program is due. Students are allowed to retake each required course one time. An ACT score of 18 or higher (or SAT equivalent) is required by Ascension St. John. Job Shadowing in radiologic technology is required and is specific to each program as follows:

- **Ascension St. John:** requires 6 shadowing hours at their hospital, minimum ACT score of 18 or SAT equivalent score
- **Ascension Providence:** Intro to Healthcare course **OR** 5 hours of job shadowing before application date

Students are strongly encouraged to meet with CU advising as soon as the RT major is determined to discuss and prepare for requirements. Students are encouraged to review requirements on affiliated program websites for additional information.

Tuition

Students in the Radiologic Technology (RT) Program will pay CU tuition during the pre-professional and professional aspects of the major. Students in the professional aspect of the major pay for 4 semesters and do not pay for summer, or any overload tuition charges. If the student is attending an affiliate hospital-based program, a percentage of the tuition will be given to that program. Students will be charged CU undergraduate tuition for the full program and receive all eligible institutional aid as long as the student is in enrolled in 12 or more credits. Only one student per year will be eligible to utilize the Concordia tuition waiver or tuition exchange. No more than one student per site may be on tuition waiver and/or tuition exchange at a time. Students receiving tuition benefits who are interested in the CU RT program are encouraged to discuss options with advising and the imaging department chair.

Program Learning Outcomes

Students are encouraged to review each affiliate program webpage for any additional program learning outcomes.

1. Students will demonstrate clinical competence
2. Students will be able to communicate effectively
3. Students will use critical thinking and problem solving skills
4. Students will evaluate the importance of professional growth and development
5. The program will graduate entry-level technologists

Concordia University Ann Arbor (CUAA) students will apply to affiliated accredited programs in radiologic technology. Students attending an accredited radiologic technology program will receive academic coursework and clinical education from instructors employed by the program and will participate in clinical rotations through affiliated hospitals and clinics. Placement is not guaranteed. The application process is specific to each program. Students are encouraged to review the application process and work with their CU adviser in planning. The following JRCERT accredited programs are affiliated with CUAA:

Ascension | Providence Hospital (Southfield) School of Radiologic Technology

Program Information (<http://www.stjohnprovidence.org/alliedhealth/radiologictech/>)

Program Goals (<http://www.stjohnprovidence.org/alliedhealth/radiologictech/>)

Program Outcomes (<http://www.stjohnprovidence.org/alliedhealth/radiologictech/>)

Ascension | St John Hospital School of Radiologic Technology

Program Information (<https://medicaleducationsjp.com/en/medical-education/ascension-st-john-hospital-and-medical-center-school-of-radiologic-technology/>)

Program Goals (<https://medicaleducation.ascension.org/michigan/st-john-radiologic-technology/about-the-program/>)

Program Outcomes (<https://medicaleducation.ascension.org/michigan/st-john-radiologic-technology/about-the-program/>)

Pre-Professional Course Curriculum

Code	Title	Hours
	Core Requirements (https://catalog.cuw.edu/undergraduate/university/acad-prog/trad/core/) ¹	45

Major Requirements	16
Electives	
Minor: Optional	
Total Hours	61

¹ For transfer students, please see the Advanced Transfer Core (<https://catalog.cuw.edu/undergraduate/university/acad-prog/trad/transfer-core/>).

Major Requirements

Code	Title	Hours
Concordia Common Core (18 credits required)		
REL 100	The Bible (Bible Content)	3
REL 110	Christian Faith (Christian Doctrine)	3
CCE 110	Western Culture & Worldview	3
CCE 120	Western Thought & Worldview	3
CCE 130	Christian Citizen	3
CCE 140	Science & Humanity	3
Liberal Arts Dimensions (27 credits)		
<i>Faith & Life (3 credits)</i>		
REL above 204		3
<i>Society & Culture (3 credits)</i>		
COMM 460	Cross-Cultural Communication	3
or GEOG 220	Cultural Geography	
or HIST 163	Non-Western World	
<i>Natural World (7 credits)</i>		
BIO 151	Functional Human Biology I	4
MATH 128	College Algebra (Mathematics) ^{1,2}	3
<i>Communication & Language (6 credits)</i>		
COMM 105	Public Speaking (Communications) ^{1,2}	3
or COMM 201	Interpersonal Communication	
ENG 104	Introduction to Writing	3
<i>Human Beings & Being Human (5 credits)</i>		
HHP 100	Stewardship of the Body (Physical Development)	1
HHP Activity (104-169)		1
PSY 101	General Psychology ^{1,2}	3
<i>Human Creativity & Expression (3 credits)</i>		
see Core Options		
Required Courses (16 credits)		
BIO 152	Functional Human Biology II	4
BIO 191	Human Anatomy and Physiology I ^{1,2}	4
BIO 192	Human Anatomy and Physiology II ¹	4
RT 312	Medical Terminology ^{1,2}	1
CSC 150	Foundations of Computer Science ^{1,2}	3
Total Hours		61

¹ Required courses for the RT program.

² Communication, Math, Computers, Medical Terminology and A&P I, and Behavioral science need to be completed by the end of the 3rd semester

Additional Requirements

- Comm, Algebra, Computers, Medical Term, A&P 1 and Behavioral science must be completed the semester before the application is due
- Specific course grades with minimum of grade C or higher. (see footnotes). A 3.0 GPA in science courses is preferred. Students are only allowed to retake a required course once.
- Overall GPA 2.5 or higher
- Additional science courses and CPR for healthcare providers are encouraged
- **Ascension St. John:** requires 6 shadowing hours at their hospital, ACT score of 18 or higher (or SAT equivalent).
- **Ascension Providence:** Intro to Healthcare course **OR** 5 hours of job shadowing before application date
- Students are encouraged to review requirements on affiliated program websites for additional information.
- Students are encouraged to have patient care or customer service experience.

Professional Curriculum

Concordia University Ann Arbor (CUAA) students attending an affiliate accredited radiologic technology program will receive academic coursework and lab instruction by the respective program's employed instructors and participate in clinical rotations through affiliated hospitals and clinics. Students attending affiliate RT programs will remain CUAA students and pay CU tuition for 2 fall and 2 spring semesters. The program director and instructors within the respective affiliate program will determine assessments, standards and grades for students enrolled in their program. **CUAA students successfully completing all requirements for the semester will be identified as passing on the CU transcript and issued a pre-determined amount of credits per semester, 60 credits in total for the program.** Students who do not successfully complete all requirements as indicated by the program will be issued "no credit" on their CU transcript. Students are encouraged to work with advising to outline their academic roadmap and review credit distribution. CUAA courses/credits earned during this time will not impact overall GPA and are as follows:

Course Descriptions by program

Ascension Providence (Southfield) School of Radiologic Technology

Course Descriptions (<https://medicaleducationsjp.com/medical-education-at-ascension-providence-hospital/ascension-providence-hospital-school-of-radiologic-technology/>)

Ascension St. John Hospital School of Radiologic Technology

Course Descriptions (<https://medicaleducationsjp.com/en/medical-education/ascension-st-john-hospital-and-medical-center-school-of-radiologic-technology/>)