

Student ID: _____
 Student Name: _____
 Adviser Name: _____

Catalog: 2023-2024 Undergraduate Catalog
 Program: Radiologic Science, B.S.
 Minimum Credits Required: _____

Radiologic Science, B.S.

The 121 - 124 credit hour Bachelor of Science degree in Radiologic Science will complete requirements that lead to certification in Radiography through the American Registry of Radiologic Technologists. The radiography program is accredited by the Joint Review Committee on Education in Radiologic Technology.

The mission of the Avila University Radiologic Science Program is to provide quality curriculum and experiences that graduate students who possess competent skills for successful employment as registered technologists, aspire for continued growth in their knowledge and are prepared to be future leaders in the field of radiology.

Core Curriculum: 38 - 51 credit hours

Please review the Core Curriculum page for course options.

Required Core Courses

Students in the Radiologic Science, B.S. program must take the following courses as part of the liberal arts core regardless of whether the core is otherwise met:

Liberal Arts, Mathematics

- MA 120 College Algebra (3)

Liberal Arts, Natural Science with Lab

- BI 111 General Biology: Cells & Genes (4) or
- BI 112 General Biology: Ecology & Evolution (4)

Core Designations

Students in the Radiologic Science, B.S. program will meet 3-hours of Global Studies or Community Engagement requirement by the following course:

Global Studies or Community Engagement

- RT 465 Clinical Education VI (3)

Major Requirements (77-80 credit hours)

Course Name	Term Taken	Grade	Gen Ed
Radiologic Science Prerequisites			
BI 220 - Human Anatomy & Physiology (6-8) (5-credit hour equivalent accepted as transfer course)			
CH 131 - Principles of Chemistry (4) or CH 135 - General Chemistry I (4)			
PH 117 - Physics Concepts (4) or PH 231 - General Physics I (5)			
HE 124 - Medical Terminology (2) (may be taken as a corequisite in the first semester in the major)			
Radiologic Science Courses			
RT 451 - Introduction to Radiologic Science (3)			
RT 452 - Radiographic Procedures I (4)			
RT 453 - Radiographic Procedures II (4)			
RT 454 - Radiologic Science I (3)			
RT 455 - Radiologic Science II (3)			
RT 456 - Radiologic Science III (3)			
RT 457 - Radiographic Procedures III (4)			
RT 458 - Radiographic Procedures IV (3)			
RT 459 - Radiation Biology and Protection (3)			
RT 460 - Clinical Education I (3)			
RT 461 - Clinical Education II (5)			
RT 462 - Clinical Education III (5)			
RT 463 - Clinical Education IV (3)			

RT 464 - Clinical Education V (5)			
RT 466 - Radiographic Pathology (2)			
RT 467 - Image Evaluation (2)			
RT 469 - Cross-Section Anatomy (2)			
RT 488 - Radiography Curriculum Review (3)			
RT 499 - Radiologic Science Capstone (1)			

Technology Requirement

Computer competency will be demonstrated by successful completion of RT 467 with a “C” grade or better within the major.

Admissions

Radiologic Science Major

Avila University and numerous Greater Kansas City area hospitals cooperatively offer a four-year integrated radiologic science program. Those who have been accepted into the major and have met requirements for the clinical portion of the program will begin the major during the spring semester of their sophomore year.

Admission of Students to the Professional Portion of the Radiologic Science Major

1. The student will first apply and receive acceptance to the university for general admission.
2. A student who begins Avila University as a first-time, first-year student is given priority over transfer students for admission to the clinical portion of the major. If there are more first-year students than there are spaces in the major, acceptance will be determined by GPA ranking.
3. A transfer student will not be considered for admission into the Radiography major until they have received acceptance to the major through the interview process. The major courses begin each January.
4. Complete at least 45 hours of college credit including the following (must earn at least a “C” in all prerequisite and corequisite courses): BI 111 or BI 112, BI 220, PH 117, HE 124, MA 120, CH 131 or CH 135.
5. Students are accepted into the Radiologic Science major by decision of the department faculty based on the criteria for admission and the number of positions available after admission to the university.
6. Complete health history, mandatory drug screening, criminal background check, and a physical examination with required immunizations. Students must also complete any requirements that the clinical sites have established for students. All students must provide evidence of health insurance.
7. If a student does not successfully complete any semester of the program or they delay their continuance in the program at any time, they are not guaranteed re-entry into the program. In order to ensure competency, if the student is allowed to re-enter the program, they will be required to repeat all RT courses in that semester, regardless of the grade received the first time.

Admission criteria are as follows

A. Full-time, first-time first year students

1. Cumulative minimum GPA of 2.5 or above at the conclusion of the traditional freshman year
2. Students must have a GPA of 2.5 or above to begin the program
3. Grade of “C” or better in all of the required prerequisite and corequisite courses for the major
4. Required prerequisite courses may be only repeated once for a “C”

First-year, first-time students who declare Radiologic Science as their major by May 1 of the current year, and who meet the criteria, will be admitted to the major according to the four-year plan. There will be a cap of 20 students who can qualify for guaranteed acceptance based on the aforementioned criteria and if the number of students exceeds the cap it will be based on GPA ranking. Any student beyond the cap will be interviewed for potential placement in the program. Students who began at Avila as first-year, first-time students but who change their major to Radiologic Science after May 1 of the current year will not be guaranteed a position in the program according to the four-year plan. These students may have to wait one year until the next class begins.

B. Transfer Students

1. Completed Radiologic Science major application by deadline
2. Cumulative minimum GPA of 2.5 or above
3. Grade “C” or better in all required prerequisite and corequisite courses for the major
4. Minimum of 45 anticipated credit hours prior to the start of the major
5. Required prerequisite courses may be repeated only once for a “C” or better
6. Required observation in Radiology Department documented by a one-page typed essay about experience with information about the hospital and the contact person

Additional considerations for transfer students:

- Number of credit hours taken at Avila University
- Number of prerequisite courses repeated for a “C” or better
- On campus interview
- GPA

Transfer students are not guaranteed automatic acceptance after meeting the criteria. The number of positions available is calculated after the first-time, full-time freshmen have been admitted to the major.

Program Requirements

The candidate for the Bachelor of Science Degree in Radiologic Science (radiography track) must complete academic work with a minimum cumulative grade point average of 2.5, complete the general degree requirements as stated under the academic policies and procedures, and maintain a “C” or above in all Natural Sciences, Mathematics, Health, and Radiologic Science courses. These courses

may be repeated only once to obtain the minimum grade of "C." Students who do not earn a "C" or better in two or more courses in the Radiologic Science major during the same semester will not be allowed to continue in the program.

Outcomes

Radiologic Science Goals

The goals of the Avila University Radiologic Science Program are:

1. Students will master clinical competency.
2. Students will apply appropriate critical-thinking skills.
3. Students will demonstrate professionalism.
4. Students will demonstrate effective communication skills.

Radiologic Science Outcomes

1. Students will master clinical competency.

Outcomes:

- a. Students will demonstrate appropriate understanding and use of radiation protection.
- b. Students will demonstrate proficiency in positioning skills.

2. Students will apply appropriate critical-thinking skills.

Outcomes:

- a. Students will modify all necessary elements to adapt to non-routine procedures.
- b. Students will use critical thinking skills to provide optimal patient care at all times.

3. Students will demonstrate professionalism.

Outcomes:

- a. Students will demonstrate professional and ethical behaviors in the clinical and didactic setting.
- b. Students will live out the Avila value of service to the Dear Neighbor.

4. Students will demonstrate effective communication skills.

Outcomes:

- a. Students will demonstrate effective and appropriate communication skills through writing.
- b. Students will demonstrate effective communication skills in the clinical setting with patients, peers, staff, etc.

Assessment

The outcomes for the Radiologic Science major are assessed through a variety of methods. These include oral, written, and performance examinations. Students are also assessed through attitudinal evaluations and procedures competency evaluations at the assigned clinical sites. The development of a life-long learning plan is required in the Capstone course for the major in addition to the creation of a final project or research paper and resume.

Notes: