**CURRICULUM GUIDE Bachelor of Science (B.S.) Radiologic Science** Academic Year: 2024-2025



College of Arts and Sciences School of Allied Health Sciences **Avila University** 11901 Wornall Road Kansas City, MO 64145

The Four-Year Schedule below is an **EXAMPLE** of how you can arrange your class schedule to achieve graduation. Please consult your advisor for specific plan changes that may need to be made.

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|------------|-----------------------|-------|----|-----------------|-------|
|            |                       |       |    |                 |       |
|            | Fall Seme             | ster  |    | Spring Semester |       |
| Freshman   | BI 105/111 †          |       | 4  | CH 131/135†     | 4     |
| Year       | MA 120 <sup>§</sup> † |       | 3  | CO 110          | 3     |
|            | EN 111                |       | 3  | PY 101          | 3     |
|            | FS 101                |       | 1  | Core**          | 3     |
|            | Core**                |       | 3  | Core**          | 3     |
|            | TOTAL                 | :     | 14 | TOTAL           | 16    |
| Sophomore  | BI 220†               |       | 6  | HE 124†         | 2     |
| Year       | Core**                |       | 3  | RT 451          | 3     |
|            | Core**                |       | 3  | RT 452          | 4     |
|            | Core**                |       | 3  | RT 453          | 4     |
|            |                       |       |    | RT 454          | 3     |
|            | TOTAL                 | :     | 15 | TOTAL           | 16    |
| Summer I*  | RT 460                | TOTAL | 3  |                 |       |
| Junior     | RT 455                |       | 3  | RT 456          | 3     |
| Year       | RT 457                |       | 4  | RT 462          | 5     |
|            | RT 458                |       | 3  | RT 467          | 2     |
|            | RT 461                |       | 5  | Core**          | 3     |
|            |                       |       |    | Core**          | 3     |
|            | TOTAL                 | :     | 15 | TOTAL           | 16    |
| Summer II* | RT 463                | TOTAL | 3  |                 |       |
| Senior     | RT 464                |       | 5  | RT 465          | 3     |
| Year       | RT 459                |       | 3  | RT 488          | 3     |
| . 50.      | RT 469                |       | 2  | Core**          | 3     |
|            | RT 499                |       | 1  | Core**          | 3     |
|            | RT 466                |       | 2  | Elective        | 2/3   |
|            | Core**                |       | 3  |                 |       |
|            | TOTAL                 |       | 16 | TOTAL           | 14/15 |

<sup>§</sup> A prerequisite course in may be required before admission to the course.

Upon graduation, students are eligible to sit for the American Registry of Radiologic Technologists (ARRT) National certification exam.

| Course                    | Course Name                         |  |  |  |  |  |
|---------------------------|-------------------------------------|--|--|--|--|--|
| Number                    |                                     |  |  |  |  |  |
| MAJOR COURSE REQUIREMENTS |                                     |  |  |  |  |  |
| RT 451                    | Intro to Radiological Science       |  |  |  |  |  |
| RT 452                    | Radiographic Procedures I           |  |  |  |  |  |
| RT 453                    | Radiographic Procedures II          |  |  |  |  |  |
| RT 454                    | Radiologic Science I                |  |  |  |  |  |
| RT 455                    | Radiologic Science II               |  |  |  |  |  |
| RT 456                    | Radiologic Science III              |  |  |  |  |  |
| RT 457                    | Radiographic Procedures III         |  |  |  |  |  |
| RT 458                    | Radiographic Procedures IV          |  |  |  |  |  |
| RT 459                    | Rad. Protection & Biology           |  |  |  |  |  |
| RT 460                    | Clinical Education I                |  |  |  |  |  |
| RT 461                    | Clinical Education II               |  |  |  |  |  |
| RT 462                    | Clinical Education III              |  |  |  |  |  |
| RT 463                    | Clinical Education IV               |  |  |  |  |  |
| RT 464                    | Clinical Education V                |  |  |  |  |  |
| RT 465                    | Clinical Education VI               |  |  |  |  |  |
| RT 467                    | Image Evaluation                    |  |  |  |  |  |
| RT 466                    | Radiologic Pathology                |  |  |  |  |  |
| RT 469                    | Cross-sectional Anatomy             |  |  |  |  |  |
| RT 488                    | Radiography Review                  |  |  |  |  |  |
| RT 499                    | Capstone in Radiologic Science      |  |  |  |  |  |
|                           |                                     |  |  |  |  |  |
| PREREQUISITE              | ES REQUIREMENTS†                    |  |  |  |  |  |
| BI 105/111                | General Biology: Cells & Genes or   |  |  |  |  |  |
|                           | Human Biology                       |  |  |  |  |  |
| BI 220                    | <b>Human Anatomy and Physiology</b> |  |  |  |  |  |
| CH 131/135                | Principles of Chemistry or          |  |  |  |  |  |
|                           | General Chemistry I                 |  |  |  |  |  |
| MA 120                    | College Algebra                     |  |  |  |  |  |
| DV 4.04                   | Comment Secretarian                 |  |  |  |  |  |

| † Must earn at least a "C" in all prerequisite and |
|--|
| corequisite courses including BI 105/111,          |
| BI 220, HE 124, MA 120, CH 131/135, PY 101. The    |
| lab portion of any science course must be taken    |
| on a college campus.                               |

**General Psychology** 

## **COREQUISITES REQUIREMENTS**†

MA 120 PY 101

HE 124 **Medical Terminology** 

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.

<sup>†</sup> Prerequisite for the Radiologic Science Program.

Transfer Students - Transfer evaluated for equivalency

<sup>\*\*</sup>University Liberal Arts Requirements: Arts, History, Literature/Rhetoric, Religious Studies, Philosophy, Social Sciences, Interdisciplinary Studies

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## **BACHELOR OF SCIENCE – RADIOLOGIC SCIENCE**

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.

## **Frequently Asked Questions (FAQs):**

- The Radiologic Science program is accredited by the Joint Review Committee on Education in Radiologic Technology.
- As the ONLY baccalaureate program in the area, the program offers students a chance to develop specific technical skills while obtaining a liberal arts education.
- Upon graduating, students have gone on to work as radiographers, technologists in advanced modalities, managers, instructors and so much more.
- The program operates on a cohort model. 25 students are accepted into the major to start each January.
- First-time, full-time first year students that meet the criteria for acceptance are automatically accepted into the program each year so long as they declare Radiologic Science as their major by May 1<sup>st</sup>.
- Applications for transfer students are accepted each year from January 15<sup>th</sup> - April 15<sup>th</sup>.
- All major courses and clinicals are scheduled Monday-Friday between the hours of 7:30am and 4:00pm, except for a two week evening rotation during the senior summer semester.
- The program offers three full-time faculty members to meet student needs, including a full-time Clinical Coordinator.



## QUESTIONS? NEED MORE INFORMATION?

Contact: Sarah Sanford, M.S., Ed., RT(R)(CT) Program Director Assistant Professor - Radiologic Science Sarah.Sanford@avila.edu

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Student/faculty ratio at the clinical sites never exceeds 10:1. Experienced professionals active in the field of radiologic science give students personalized attention.

Job Placement rates are 100% for the past 5 years.