

University of Iowa Carver College of Medicine
Baccalaureate Degree in Radiation Sciences

www.medicine.uiowa.edu/radsci PH: 319-353-8388



Admission Requirements:

- Prerequisite Courses:
 - **Rhetoric:** RHET:1030 Rhetoric
 - **Natural Science:** *anatomy, one of these:*
 - HHP:1100 Human Anatomy
 - HHP:3105 Anatomy for Human Physiology
 - HHP:3115 Anatomy for Human Physiology with Lab
 - AND: *physiology, one of these:*
 - HHP:1300 Fundamentals of Human Physiology
 - HHP:3500 Human Physiology
 - HHP:3550 Human Physiology with Lab
 - **Psychology:** PSY:1001 Elementary Psychology
 - **Quantitative/Formal Reasoning:** *one of these:*
 - MATH:1440 Math for the Biological Sciences
 - MATH:1020 Elementary Functions
 - **General Education:** *3sh from 2 of the following areas:*
 - Diversity and Inclusion (DI)
 - Historical Perspectives (HP)
 - International and Global Issues (IGI)
 - Literary, Visual, and Performing Arts (LVPA)
 - Values and Culture (VC)
 - **Medical Terminology:** CLSA:3750 Medical and Technical Terminology

Additional requirements, based on the professional program of interest:

Radiologic Technology (two-year track only):

A total of 60sh of coursework (including the prerequisites and elective credit)

Diagnostic Medical Sonography:

PHYS:1400 Basic Physics or PHYS:1511 College Physics I

Radiation Therapy:

PHYS:1400 Basic Physics or PHYS:1511 College Physics I

A total of 60sh of coursework (including the prerequisites and elective credit)

- Prerequisites courses must be completed by June 1, with one exception: physics for the DMS program may be completed in the summer semester.
- 2.5 minimum cumulative college GPA is required.
- Two years of high school world language is a prerequisite to the professional program.
- International students and students whose first language is not English: must satisfy all UI Admissions requirements, complete the English Language Requirements for Admission, and have clearance to take a full academic load.

Recommended for all professional programs (tracks):

- Job shadowing, patient care experience, and research of professional field(s)
- Participation in student, community, or professional organizations or clubs
- RSP:1100 Introduction to Radiation Sciences (required for two-year RT track)
- HHP:1400 Human Anatomy & Physiology or BIOL:1140 Human Biology
- PHYS:1400 Basic Physics or PHYS:1511 College Physics I (required for DMS and Therapy)
- CS:1020 Principles of Computing or BAIS:1500 Business Computing Essentials
- STAT:1020 Statistics
- PSY:1010 Learning about Learning

Notes:

- Separate application for competitive selection to the professional track due *by January 15*
- Admission to a Radiation Sciences program is not guaranteed.
- Application and selection process is required due to limited clinical openings.
- Personal interview for invited applicants.
- Transfer students: Apply to the College of Liberal Arts & Sciences, Radiation Sciences Interest *by November*. Also see the Transfer Credits link on the Student Resources tab.

Degree Requirements:

1) One of the following professional Radiation Sciences tracks:

Radiologic Technology – up to 20 students accepted per year

- Radiologic Technology (2 year track)
- Radiologic Technology and Computed Tomography (3 year track)
- Radiologic Technology and Magnetic Resonance Imaging (3 year track)
- Radiologic Technology and Cardiovascular Interventional (3 year track)
- Radiologic Technology and Breast Imaging (3 year track)

Diagnostic Medical Sonography – up to 20 students accepted per year

- Diagnostic Medical Sonography and General and Vascular (3 year track)
- Diagnostic Medical Sonography and Cardiac and Vascular (3 year track)

Radiation Therapy – up to 8 students accepted per year

- Radiation Therapy (2 year track)

2) **Semester hour and GPA Requirements:**

- Successfully complete a minimum of 120 semester hours of credit
- Maintain a minimum 2.0 cumulative and UI GPA
- Complete all track courses with a C or above

FIRST YEAR - FRESHMAN			
1st Semester Fall	sh	2nd Semester Spring	sh
RHET:1030 Rhetoric	4	Human Physiology	3-5
BIOL:1140 Human Biology* OR HHP:1400 Human Anatomy & Physiology* OR Human Anatomy	3-5	Human Anatomy (if not completed in fall)	3-5
MATH:1440 Math for Biological Sciences	4	PSY:1001 Elementary Psychology	3
DI, IGI, HP, LVPA, or VC	3	CLSA:3750 Medical Terminology	2
RSP:1100 Introduction to Radiation Sciences**	1	DI, IGI, HP, LVPA, or VC	3
Subtotal	15-17	Subtotal	14-18

3rd Semester Summer	sh
PHYS:1400 Basic Physics ^ (DMS only)	3
Subtotal	3
Total Freshman	29-38

* Most students will need to complete HHP:1400 or BIOL:1140 prior to Human Anatomy (based on academic strength)

** Strongly recommended for multi-credential RT tracks, DMS, and Therapy tracks; required for two-year RT track.

^ Physics for DMS program may be completed in the spring or summer semester. Summer is recommended if both Anatomy and Physiology are taken in the spring. Students interested in Radiation Therapy will take physics in their sophomore year.

- **Students are advised for success, based on academic strength, not necessarily for a 4-year plan.**
- **Prerequisites for the three-year, multi-credentialed Radiologic Technology and Diagnostic Medical Sonography tracks may take more than one year to complete.**
- **Students interested in the two-year Radiologic Technology and Radiation Therapy tracks will need to complete 60sh, including the prerequisite courses and electives, prior to June 1 of the year they apply to the professional program. Students choose elective courses of interest during the sophomore year.**

Nuclear Medicine Technology BS Degree:

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