



# RADIOLOGIC TECHNOLOGY-AAS

Pre-Admission Workshop

2025-2026



# HELLO!

**Tracy Rogers, MBA, RT(R)(M)(ARRT)**  
Director of Radiology

**Avery Liggett, BS, RT(R)(CT)(ARRT)**  
Clinical Coordinator

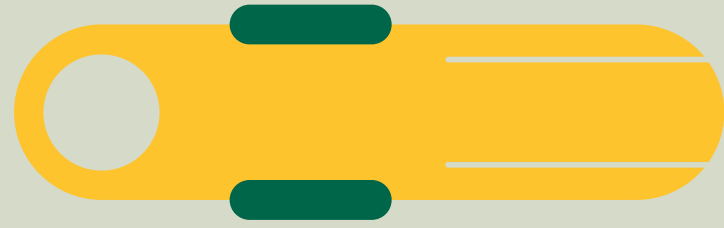
**Emily Underwood, BS, RT(R)(M)(BD)(BS)(ARRT)**  
Full-time Faculty

**Dr. Bernard Sakowicz**  
Adjunct Faculty

**Alexandria Peralta**  
Instructional Support Specialist



left to right: Avery Liggett, Tracy Rogers, Emily Underwood



# OBJECTIVES

**01**

**What is Radiologic Technology?**

**02**

**About our Program**

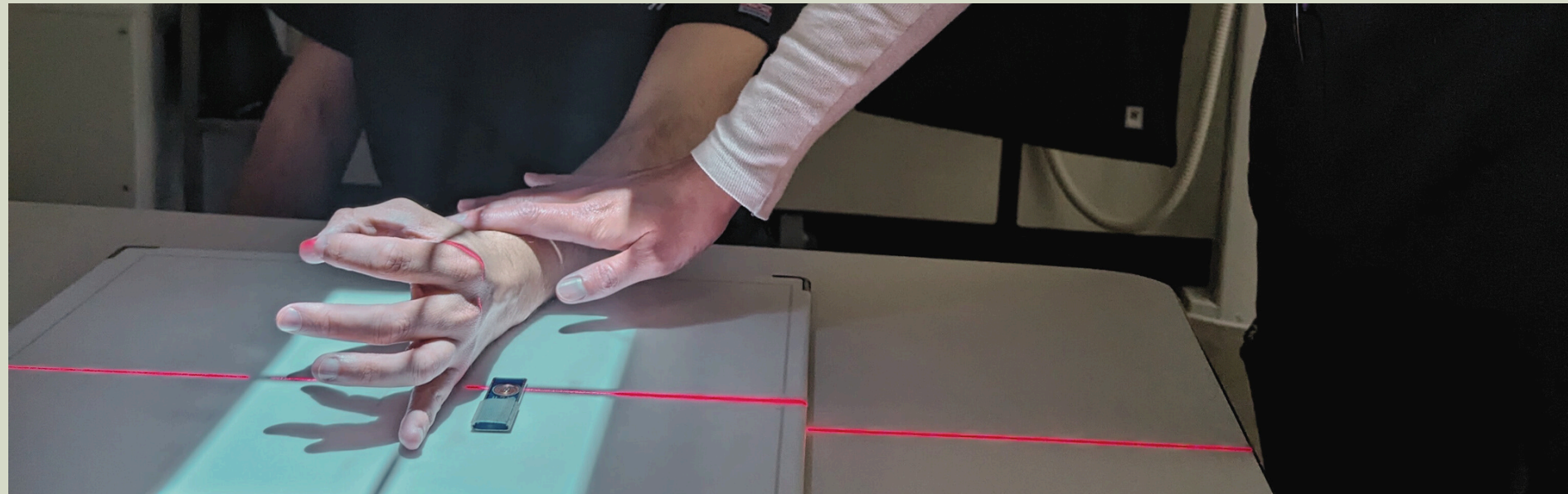
**03**

**Career Mobility**



# WHAT IS RADIOLOGIC TECHNOLOGY?

**The art & science of using radiation to provide images of the bones, organs, soft tissue and vessels that comprise the human body.**



Radiologic technologists make up the third-largest group of health care professionals—surpassed in number only by physicians and nurses.

A primary responsibility of many technologists is to create images of patients' bodies using medical equipment. This helps doctors diagnose and treat diseases and injuries. Depending on your specialty, you might use X-ray, MRI, CT, fluoroscopy, or sonography equipment.



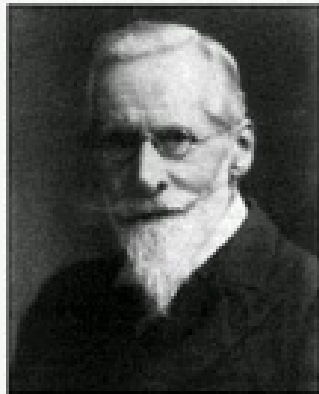
In some cases, you may prepare and inject radiopharmaceutical agents into patients before creating the images.

You could also help physicians perform procedures—such as angioplasty or stent insertion—to treat heart and blood vessel diseases without surgery. Or you might administer therapeutic doses of radiation to treat diseases such as cancer.

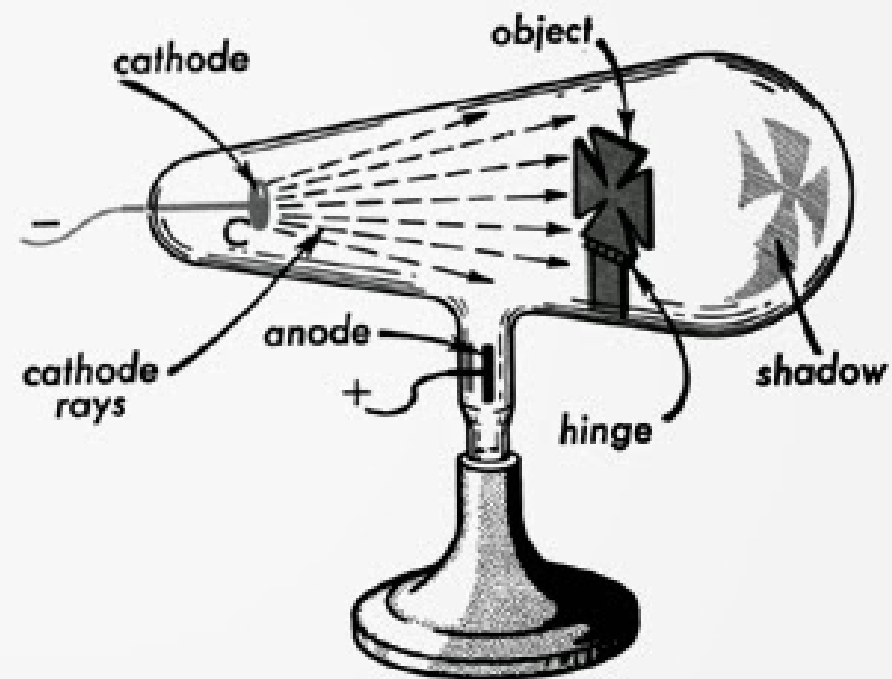


# BRIEF HISTORY

X-Rays were discovered on November 8, 1895



William Crookes  
(1832-1919)

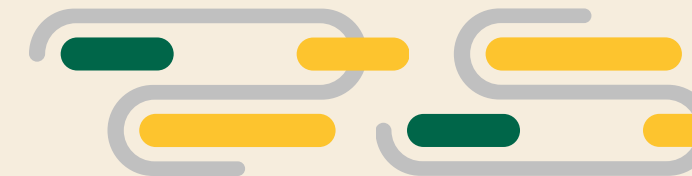


# A DAY IN THE LIFE...

You'll promote safety and provide the highest level of patient care as you complete your daily work.

No matter your specialty, you'll be an important part of a medical team. Your work will help uncover health problems and could ultimately save lives. You'll be active throughout your working hours, and no two days will be the same.

## Places of Employment



### Hospital

- Radiology department
- Operating Room
- Cardiac Cath Lab
- Interventional Radiography



### Physician's Office

- Orthopedic
- Pain Management
- Arthritis Clinic
- Primary Care Office
- Urgent Care



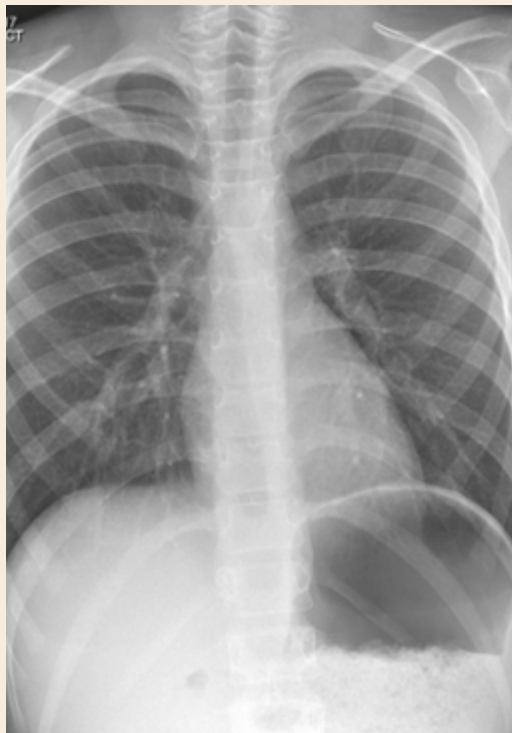
### Outpatient Center

- Outpatient Surgery
- Outpatient Imaging Centers





# TYPES OF MEDICAL IMAGING PROGRAMS



## Radiography

Radiologic Technology can lead to:

- CT (Computed Tomography)
- MRI
- Interventional
- Vascular US
- Mammography
- Bone Densitometry
- Radiologist Assistant



## Ultrasound (Sonography)

US can lead to:

- MRI
- Vascular US
- Cardiac US
- Abdominal US
- General US
- Musculoskeletal US
- and more...



## Nuclear Medicine

Nuclear Medicine can lead to:

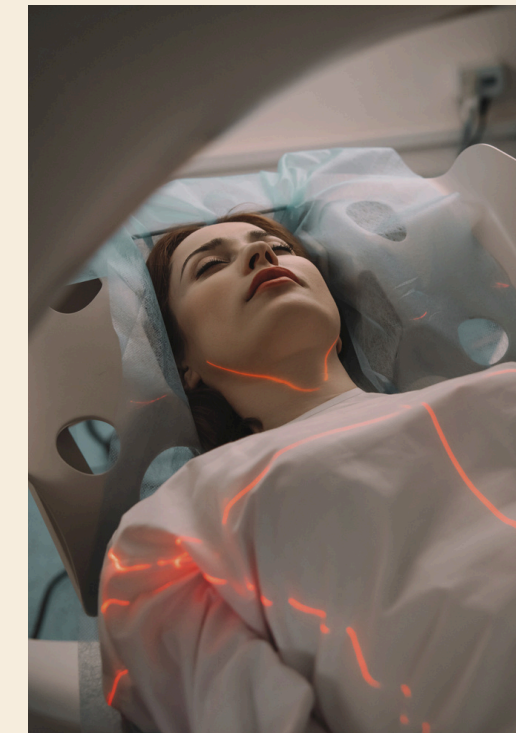
- MRI
- CT
- Vascular US
- Bone Densitometry



## Radiation Therapy

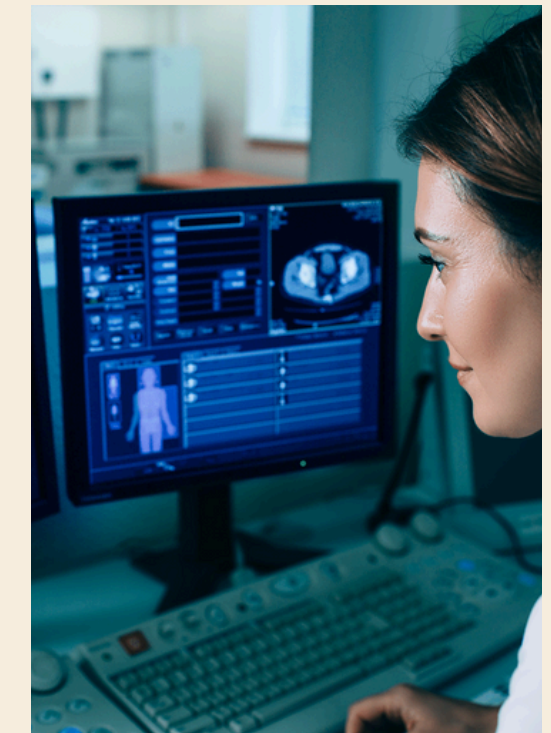
Radiation Therapy can lead to:

- MRI
- CT
- Vascular US
- Bone Densitometry



## MRI

A primary pathway of MRI does not allow for any post-primary opportunities at this time.



## Radiologist Assistant

- ARRT-recognized radiologist assistant education program
- Master's degree or higher
- You must hold a Radiography credential.

# ABOUT OUR PROGRAM



## Located at the Prescott Valley Center

The majority of the program's courses are face to face throughout the entirety of the program.

**Accredited by: Joint Review Committee on Education in Radiologic Technology.**



## Competency Based Program

- 22 month program based on a combination of coursework (didactic) and clinical skills.
- Students are required by the ARRT to completed a specific number of competencies prior to graduation from the program.
- Students are required by the Arizona Department of Health Services to complete a minimum of 1800 hours prior to graduation.



# ABOUT OUR PROGRAM



## Program/Course Grading Scale

Students will need to meet a 75% or higher in each assignment category for each class to be considered passing.

Students must reach the minimum required competencies required each semester to be considered passing.



## ARRT National Registry Exam

The minimum passing score for the national registry exam is 75%. In order to become state licensed you must pass the ARRT examination for radiography.

\*\*This program is rigorous and you're held to a high standard to ensure that you'll graduate and be able to successfully pass the high stakes exam.\*\*

# STUDENT QUALIFICATIONS



National background check

Ethics review by ARRT if needed (CONTACT PROGRAM DIRECTOR)

- Felony
- Misdemeanor

Drug test-zero tolerance

- Medical marijuana is not acceptable while a student in any health science program.

- Current Health Insurance (must maintain throughout program)
- Immunizations (or proof of titers)
  - Done at the expense of the student and requires upkeep during the program
- COVID-19 & Flu exemptions are available contact the radiology department for more information.



# STUDENT QUALIFICATIONS



- Ability to lift and move patients safely
- Reach above your head to move heavy equipment
- Ability to stand a significant amount of time while moving patients and equipment.
- Must wear protective lead apparel during patient care (at certain times)
- Ability to see and hear clearly
- Please see technical standards in the application packet for more details

- Effective oral & written communication skills
- Work effectively in a team setting
- Ability to work in a multi-cultural environment
- Use of critical-thinking skills
- Emotional stability & maturity
- Ability to work compassionately with patients and their families
- Organize & perform sequentially the individual steps necessary for an x-ray exam

# PROGRAM PROGRESSION

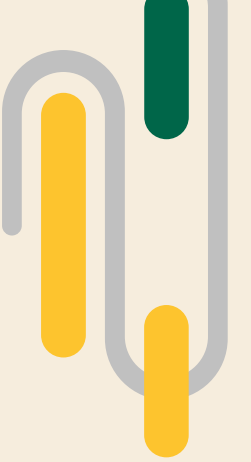
## PRE-ENTRY REQUIREMENTS

Fall Term 1	10 credit hours	Hours
• ENG 101 College Composition I First-Year Composition		3
• BIO 160 Introduction to Anatomy & Physiology <u>OR</u> BIO 201 Human Anatomy and Physiology I Physical and Biological Science		4
• PSY 245 Human Growth & Development Social and Behavioral Sciences		3
Term hours subtotal:		10
Spring Term 1	9 credit hours	Hours
• ENG 102 College Composition II First-Year Composition		3
• MAT 152 College Algebra (preferred) <u>OR</u> any mathematics course for which MAT 152 is a prerequisite Mathematics		3
• PHI 204 Medical Ethics Arts and Humanities		3
Term hours subtotal:		9



# APPLICATION PROCESS

All deadlines will be posted on the [yc.edu/radiology](http://yc.edu/radiology) website under the Application Forms and Information link.



**Aug. to  
Dec.**

- HESI A2 Entrance Exam dates opens
- 2-attempts per year during the fall semester only.
- In-person Information Sessions

**Jan. to  
Feb.**

- Online application opens for 1 month
- Applications submitted outside of the posted deadlines will not be considered.
- Incomplete applications will not be considered.

## **Required Uploads for the application:**

- HESI Exam Results (highest attempt score)
- Proof of Completion of a Pre-Radiology Workshop (online OR in-person)
- All Unofficial Transcripts (including Yavapai College)
- Advisor Check Sheet (prerequisite verification)
- Medical Release Form (signed by a medical provider)
- Immunization & Documentation Coversheet
- Proof of Residency

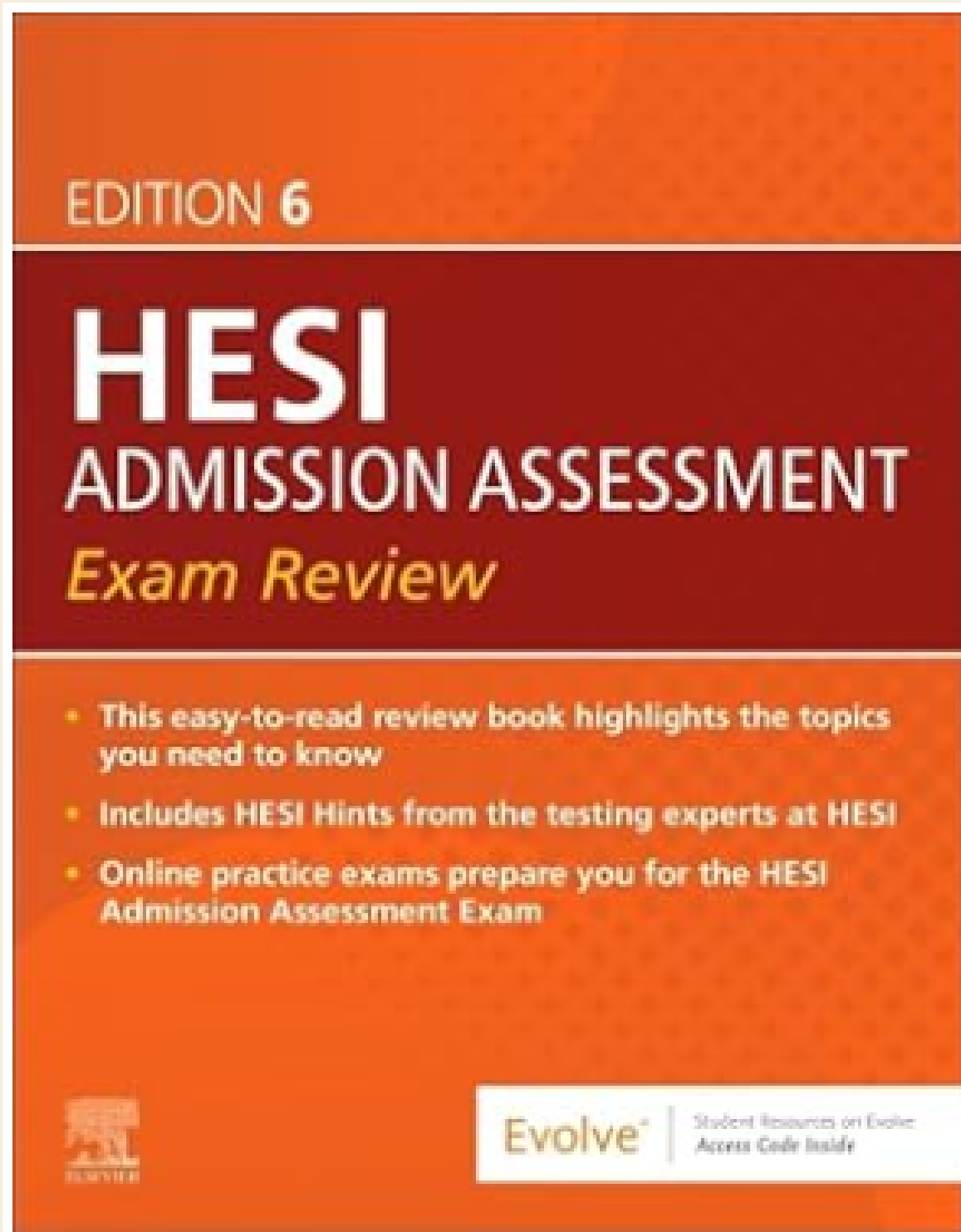
**March**

- Student's programmatic status will be emailed.
- If conditionally accepted; students will be required to respond via email confirming their position in the program.



# HESI A2 ENTRANCE EXAM INFORMATION

Available in Yavapai College's Library for  
free or amazon at low cost.



ISBN: 978-0443114090

Instructions on how to get started at: [yc.edu/radiology](https://www.yc.edu/radiology).

3 hour exam

75% or better prior to applying to the program

**Cost: \$65.00** *subject to change*

**English:**

- Reading comprehension
- Vocabulary
- Grammar

**Math:** Basic Math Skills

**Science:**

- Biology
- Anatomy & Physiology

**Critical Thinking Skills**

- Problem Solving
- Biases & Ethical Dilemmas
- Argument Analysis
- Analysis of Data
- Prioritization of Care

**Call & schedule at the Prescott or  
Verde Test Center:**

<https://www.yc.edu/v6/testing-center/>

- You must bring a photo ID
- Your evolve username/password
- Proof of payment



# SELECTION CRITERIA

## SELECTIVE ADMISSIONS POINT SYSTEM (BASED ON 1000 POINTS)

- Cumulative GPA (pre-program entry courses) 2.0 or greater = \_\_\_\_\_ x 25 = 100 points
- HESI A2 Entrance Exam
  - 95-100% = 500 points
  - 90-94.99% = 425 points
  - 84-89.99% = 350 points
  - 75-83.99% = 175 points
- 19 prerequisite credits = 100 points 5 points per credit hour completed + 5 additional points for all 19 credits complete at time of application.
- Residency
  - Yavapai/Coconino County=150
  - State of Arizona=50
  - Out of state=0
- Current YC student: Completed credits
  - 12 or more credits = 150 points
  - 9-11 credits = 100 points
  - 6-8 credits = 75 points
  - 3-5 credits = 50 points

# PROGRAM PROGRESSION

## 1ST YEAR

Fall Term 1	12 credit hours	Hours
• RAD 100 Introduction Medical Imaging		2
• RAD 111 Radiographic Positioning I		3
• RAD 112 Radiographic Positioning Lab I		2
• RAD 135 Radiation Physics & Equipment		3
• RAD 170 Radiology Patient Care & Pharmacology		2
Term hours subtotal:		12

Spring Term 1	12 credit hours	Hours
• RAD 141 Radiographic Positioning II		3
• RAD 142 Radiographic Positioning Lab II		2
• RAD 158 Radiographic Image Production		2
• RAD 161 Radiology Clinical Education I		3
2 <sup>nd</sup> 8 weeks		
• RAD 175 Radiation Biology & Protection		2
Term hours subtotal:		12

Summer Term 1	6 credit hours	Hours
• RAD 162 Radiology Clinical Education II		4
• RAD 185 Radiographic Image Analysis		2
Term hours subtotal:		6



# PROGRAM PROGRESSION

## 2ND YEAR

Fall Term 2	6 credit hours	Hours
• RAD 201 Radiology Clinical Education III		4
1 <sup>st</sup> 8 weeks		
• RAD 250 Radiographic Pathology		2
Term hours subtotal:		6

Spring Term 2	7-22 credit hours	Hours	Notes
• RAD 202 Clinical Education IV		4	
• RAD 255 Radiology Registry Prep & Professional Development		3	
• ICE 200 Magnetic Resonance Certification Optional Program Elective		3	Prerequisite: Program Admission This course is offered in Fall and Spring. See program director for information.
1 <sup>st</sup> 8 weeks			
• RAD 215 Advanced Imaging Systems Optional Program Elective		2	This course is offered in Fall and Spring. See program director for information.
2 <sup>nd</sup> 8 weeks			
• ICE 100 Computed Tomography Certification Optional Program Elective		3	Prerequisite: Program Admission This course is offered in Fall and Spring. See program director for information.
• ICE 250 Mammography Initial Training Optional Program Elective		4	Prerequisite: Program Admission This course is offered in Fall and Spring. See program director for information.
• ICE 150 Bone Densitometry Certification Optional Program Elective		3	Prerequisite: Program Admission This course is offered in Fall and Spring. See program director for information.
Term hours subtotal:		7-22	

# CLINICAL EDUCATION REQUIREMENTS

## **\*\*DISCLAIMER\*\***

**Clinical Attendance:** Students must complete a minimum of 1,800 hours of clinical education as directed by Arizona state statute and the Arizona Department of Health Services. This requirement is considered necessary to complete the competencies needed for eligibility to challenge the American Registry of Radiologic Technologists examination. **Clinical site assignments vary and you may be subject to a commute in excess of 1.5 hours.**

**Outside Employment:** The program is demanding and requires the full-time commitment of the students. The program encourages students to consider that outside employment may interfere with the quality of academic performance. It is recommended that students discuss their situation with the program director before accepting outside employment. **It is also recommended that students work fewer than twenty (20) hours per week**



# CLINICAL EDUCATION REQUIREMENTS

We have a number of clinical affiliations in Prescott, Prescott Valley, Williams, Flagstaff, Cottonwood, Sedona, Camp Verde and the Phoenix area.

A level 1 trauma rotation is required at either Flagstaff Medical Center  
OR HonorHealth Deer Valley

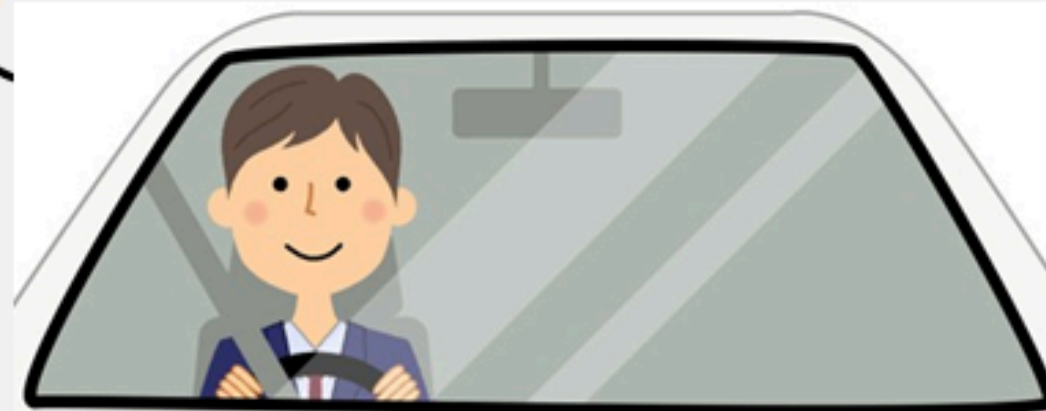
Phoenix Children's Hospital is a specialty rotation and is optional

## **COMMUTING:**

can be in excess  
of 1.5 hours.

## **SCHEDULE:**

- Mon-Fri
- 8-10 hour shifts
- Between 6am-11pm
- Minimum 1800 hrs



## **YOU'RE RESPONSIBLE FOR:**

- Gas
- Lodging
- Car Maintenance

## **PROFESSIONALISM**

- Appearance
- Behavior
- Conversation
- Attendance

# !!!WARNING!!!

Within every profession involving patient care you will be exposed to sick & injured members of the community.



- Bodily fluids
  - Blood, urine, vomit, sputum, feces
- Disease
- COVID-19
- Death
- Mental Illness
- Infection
- Abuse/Domestic Violence





# PROGRAM COSTS

**ALL COSTS LISTED ARE ESTIMATES AND COULD CHANGE.**



Trajecsys (clinical tracker) \$150.00

MyClinicalExchange (clinical compliance) \$80

CastleBranch (immunization tracker,  
background check, drug test) \$150.49

2x2 passport photo (hospital ID badges) \$20.00

Vaccinations (upkeep required) variable  
• COVID & Flu declinations available

Annual TB Skin Test- up to \$100.00/yr

BLS Certification (offered in program) \$7.00

Students are provided x-ray markers:  
Replacement Markers are at the student's  
expense and must be approved by the clinical  
coordinator.

**Radiology Tuition:**  
**\$203.00/credit hour**

**\$8556.00**

**Pre-Entry Tuition:**  
**\$3537.00**

**Tuition Total: \$12,093**

**Textbook Fees: (e-book or print)**  
**\$356.00-\$450.00**

**Uniforms are required in  
the classroom, lab and  
clinical setting.**

**Student Polo's: \$46.00**  
**Student Scrubs & Shoes:**  
**\$200.00**



# RADIOLOGY SCHOLARSHIPS



There are a number of scholarships exclusive to radiology students.

## **Community Healthcare Scholars**

(2 Rad students awarded once per year)

## **Dr. George S. Naifeh, Jr. Endowed Scholarship**

## **Robert Altmanshofer Scholarship**

When admitted to the program advising and financial aid will communicate with you regarding these scholarships.

Please direct scholarship questions to financial aid.

Additional scholarship or award opportunities available to current radiology students. Questions regarding these go to the Director of Radiology.

Lambda Nu National Honor Society Student Scholarship

AZSRT Outstanding Student Award

Radiologic Technologist Student Emergency Fund

Alumni Scholarship for Continuing Education in honor of Marybeth Western, RT(R)



# CAREER MOBILITY

Nationwide statistics from US Bureau of Labor Statistics  
<https://www.bls.gov/ooh/healthcare/radiologic-technologists.htm>

Quick Facts: Radiologic and MRI Technologists	
2021 Median Pay ?	\$61,980 per year \$29.80 per hour
Typical Entry-Level Education ?	Associate's degree
Work Experience in a Related Occupation ?	<a href="#">See How to Become One</a>
On-the-job Training ?	None
Number of Jobs, 2021 ?	264,000
Job Outlook, 2021-31 ?	6% (As fast as average)
Employment Change, 2021-31 ?	17,000



# CAREER MOBILITY

Take your career across the nation or stay right here in Prescott Arizona!  
100% of our job-seeking graduates are hired within 12 months of graduation!



# THANK YOU

Click on the class verification link on the YC.edu/radiology page & answer all of the questions.

This will generate a certificate of completion that will be sent to your email. You must include the certificate of completion with your Radiologic Technology program application.

Make sure to include your Name, Email, & Phone Number  
If you have additional questions please email: [radiology@yc.edu](mailto:radiology@yc.edu)

