

# **Welcome to Radiography**

# What Are We Called?

- ▶ Radiologic Technologists
- ▶ X-ray Techs
- ▶ Radiographers
- ▶ Rad Techs
- ▶ Radiology Techs
- ▶ Radiography Techs

We are NOT radiologist (they are the physicians that read the x-ray images)



# Who Are We?

- ▶ Rad Techs make up the third-largest group of health care professionals in the nation—surpassed in number only by physicians and nurses
- ▶ We create images of patients' bodies using medical equipment
- ▶ We assist doctors in diagnosing and treat diseases and injuries



# What Do We Do?

- ▶ Image body
- ▶ Prepare patients for procedures, including taking medical history and answering questions about the procedure
- ▶ Protect patient by shielding exposed areas that do not need to be imaged
- ▶ Position patient and equipment to get correct image
- ▶ Operate the computerized equipment
- ▶ Work with physicians and all other healthcare employees



# Day In The Life

- ▶ Number one priority is taking care of patients
- ▶ Time is spent between performing technological tasks and interacting with patients
- ▶ Most of our patients are in our care for a short time (10 min)
- ▶ We do have Operating Room (OR) cases that go on for several hours
- ▶ Work with all departments in the hospital

# The RAD Life

- ▶ We perform routine x-rays as well as trauma patients
- ▶ We see and care for patients in extreme distress (physical and emotional)
- ▶ We deal with patients at birth, till death, and anytime in-between
- ▶ We work holidays, nights, and weekends
- ▶ Sometimes we take call (especially in small hospitals and if working in modalities)
- ▶ Work alone, in pairs, and as part of a group
- ▶ Work 365 days a year, rain, sleet or snow

# Types of Patients

- ▶ All ages, race, religion, cultures-EVERYONE gets sick
- ▶ Some VERY sick people; some not sick at all
- ▶ Some smell bad...very bad
- ▶ Some are covered in blood and/or body fluids
- ▶ Post surgical and hooked up to every machine the hospital can find



# Patients

- ▶ Some are very hurt and in a lot of pain
- ▶ We see patients right when they arrive at the hospital
  - ▶ A person goes into cardiac arrest, we are there
  - ▶ A person is flown in with MAMA (Mountain Area Medical Airlift), we are there waiting in the ER room
  - ▶ A person comes in after a bad accident, we are there
- ▶ Some are babies that will fit in your palm
- ▶ Some are dead



# WHY DO THIS??????

**WE ACTUALLY HELP SAVE LIVES!!!!**

**WE MAKE A DIFFERENCE!!**

- ▶ Because of us a diagnosis can be made
- ▶ Because of us a doctor knows a patient's lung is collapsed
- ▶ Because of us a doctor can tell if a patient needs surgery
- ▶ Because of us a doctor can tell how much a tumor has grown or shrunk
- ▶ We don't just look at bones!!!!!!
  - ▶ But that's what were known for

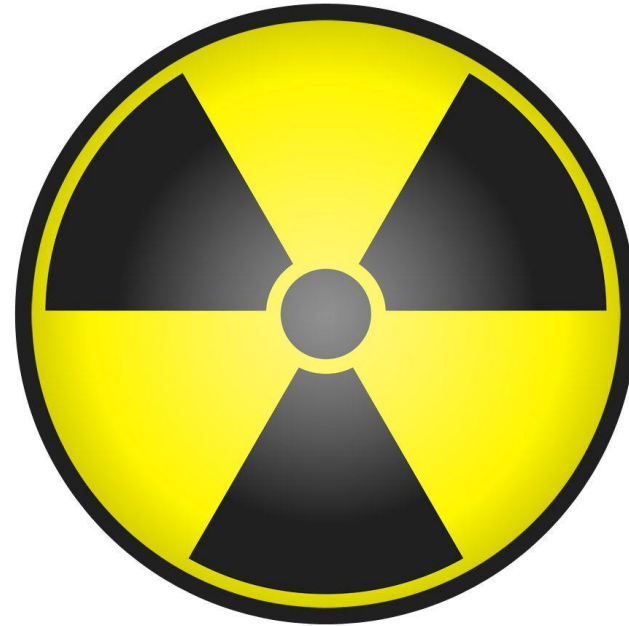


# The Job

- ▶ Being an RT is the best job you can have!!!
  - ▶ Ok, that's my opinion but it also happens to be true
- ▶ Never a dull moment
- ▶ There is ALWAYS something new to learn
- ▶ **No two days are alike**
- ▶ You are active; you aren't sitting at a desk staring at a computer
- ▶ Use your imagination to obtain optimal images
- ▶ Use latest technology
- ▶ And don't forget, WE HELP SAVE LIVES

# Important Qualities of R.T.

- ▶ Detail oriented
- ▶ Interpersonal skills
- ▶ Physical stamina
- ▶ Technical skills
- ▶ You have to be able to talk to people
- ▶ You have to be able to touch them
- ▶ You have to be on time



# Where Do We Work?

- ▶ Hospitals
  - ▶ Emergency Rooms
  - ▶ Intensive Care Units
  - ▶ House patients
  - ▶ Operating Rooms
  - ▶ Morgue
  - ▶ Pediatrics
  - ▶ Basically anywhere in the hospital that has a patient
- ▶ Outpatient Centers
- ▶ Doctor Offices
- ▶ Nuclear Industry
- ▶ PACS
- ▶ Mobile Imaging
  - ▶ Home Health
  - ▶ Nursing Homes
  - ▶ Assisted Living
- ▶ Sport Teams
- ▶ Prisons

# What Do We Make?



## Bureau of Labor Statistics for Nation

- ▶ Hourly median wage-\$29.94
- ▶ Annual median wage-\$62,280

## Bureau of Labor Statistics for North Carolina

- ▶ Diagnostic X-ray
  - ▶ Hourly mean wage-\$27.91
  - ▶ Annual mean wage- \$60,510
- ▶ MRI (for comparison)
  - ▶ Hourly mean wage- \$32.34
  - ▶ Annual mean wage- \$74,410

- ▶ <https://www.bls.gov/ooh/healthcare/radiologic-technologists.htm>

# Area Entry-Level Pay

Western NC entry level techs make around \$19.00 to \$22.00 hour, fresh out of school

# Occupational Outlook

QUICK FACTS: RADIOLOGIC AND MRI TECHNOLOGISTS	
2020 Median Pay	\$63,710 per year \$30.63 per hour
Typical Entry-Level Education	Associate's degree
On-the-job Training	None
Number of Jobs, 2020	254,000
Job Outlook, 2020-30	9% (Faster than average)
Employment Change, 2020-30	21,600

# Modalities

- ▶ Radiography (diagnostic) is thought of as the primary for jobs in imaging
- ▶ Once you are a Registered Technologist in Radiology RT (R) you may go on into different modalities
- ▶ Some of these require additional schooling and some have on-the-job training





# List of Modalities

- ▶ Bone Densitometry
- ▶ Cardiac Interventional Radiography
- ▶ Computed Tomography (CT)
- ▶ Magnetic Resonance Imaging (MRI)
- ▶ Mammography
- ▶ Nuclear Medicine (Nuc Med)
- ▶ Vascular Interventional Radiography
- ▶ Radiation Therapist

# Credentials

- ▶ Once you have graduated from an accredited program you will sit for a national registry, American Registry of Radiologic Technologists (ARRT)
- ▶ ARRT credentials Radiographer's and those individual seeking post primary credentials
  - ▶ Registering in modalities



# Furthermore.....

- ▶ Our program is accredited by the JRCERT



# Radiography Program

A-B Tech

# Information



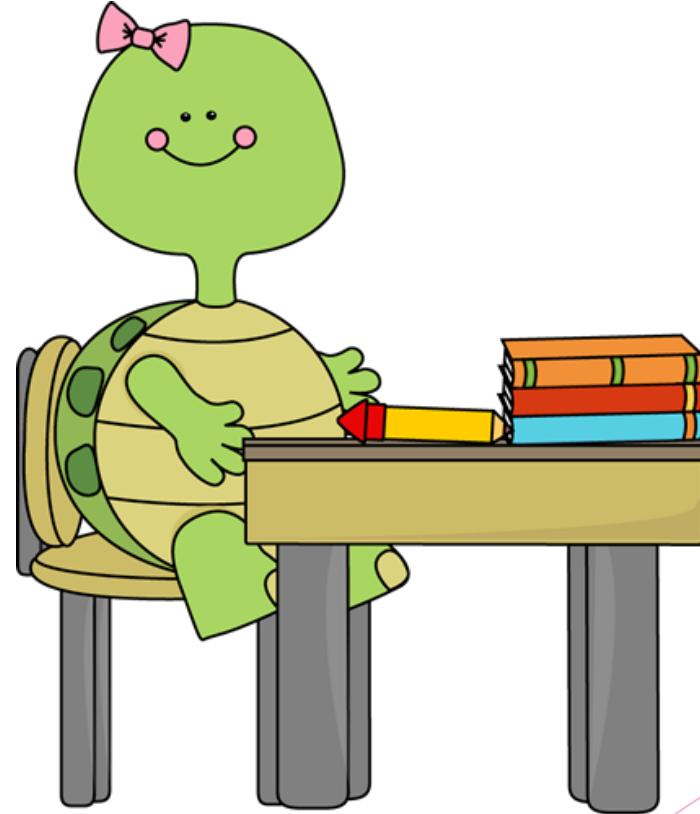
- ▶ Please visit our program website. There is **a lot** of useful information.  
<https://abtech.edu/programs/academic/radiography>
- ▶ Please read over our program handbook.  
<https://abtech.edu/document/2021-radiography-program-handbook>

**No Medical Experience Required!!!**



# The program is very time consuming and intense!

Material is taught in the  
classroom, practiced in the  
lab, and performed in the  
clinical rotations.



**The student must maintain a “C” average  
in all course work (didactic and clinical)**

The program uses a 7-point scale



# Time

- ▶ We have a STRICT attendance policy
- ▶ Program is basically like a fulltime job
- ▶ Can work, but it is ill-advised to work more than 20-24 hours a week
- ▶ Must have support at home; program affects everyone you know
- ▶ If you care for another, children or parent, you will need to make arrangements for their care. You will need a backup plan, and a backup- backup plan
- ▶ If college is open, you will be at clinic or class

# Backup Plans

- ▶ If clinic starts at 8:00 AM, you live an hour away, and you child's daycare doesn't open till 7:30, you will need to make other arrangements.
- ▶ If your child's school is on a 2 hour delay due to weather and A-B Tech is on a regular schedule, you will be expected to be at your assigned site at 8:00 AM. You will need to make other arrangements to get your child to school

**You will not be excused due to these types of conflicts. You cannot be habitually late or absent from clinic and be successful in this program.**

# Clinic

- It is important that the student understands there can be considerable drive time to clinical facilities.
- Spend over 1200 hours in the clinical setting
- Mandatory night clinic rotation
- Mandatory weekend rotation



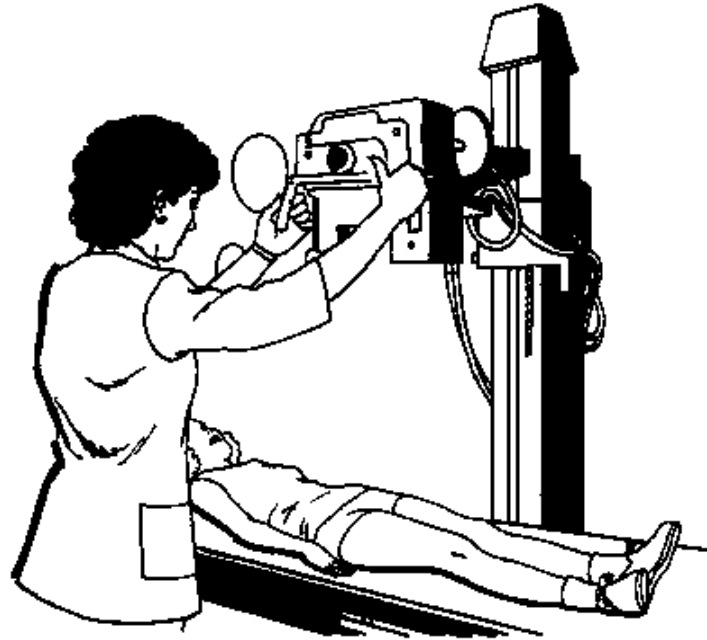
# CLINICAL EDUCATION CENTERS

- ▶ Memorial Mission Hospital
- ▶ EmergeOrtho
- ▶ Charles George VA Medical Center
- ▶ Margaret R. Pardee Medical Center and Radiology Outpatient Center
- ▶ Advent Health Hospital
- ▶ McDowell Hospital
- ▶ Carolina Internal Medicine
- ▶ Range Urgent Care
- ▶ Transylvania Regional Medical Center
- ▶ Children's Center
- ▶ Blue Ridge Regional
- ▶ Mission Imaging Services Asheville
- ▶ Mission Pardee Health Campus
- ▶ Mission Ortho-Trauma
- ▶ Sisters of Mercy Urgent Care South
- ▶ Sisters of Mercy Urgent Care West

**We are constantly working on adding new clinical sites**

# Clinical Placement

A required component of the allied health division is the student's participation in the clinical placement at area hospitals, clinics, and offices.



# Clinical Placement Cont'd

- ▶ Prospective student must be admitted conditionally to the program
- ▶ Prospective student must be accepted into the clinical placement
- ▶ Individual clinical placements have their own acceptance requirements separate from the college

# Clinical Placement Cont'd II

Each student will have at least one, and possibly more, Drug Screens/Background Checks

- ▶ Healthcare institution will inform the College whether the prospective student's clinical privileges are approved or denied
- ▶ If denied, the student will not be admitted into the program

# Clinical Placement Cont'd III

*If a prospective student is denied acceptance for clinical training privileges at any healthcare institution, for any reason, that student will receive an F in the course and will be ineligible to proceed with the course of study in the allied health division.*



# Clinic Sites

- ▶ Additional sites may be added
- ▶ Clinical hours Mon-Fri
  - ▶ Fall 8-3:30
  - ▶ Spring 8-4:30
  - ▶ Summer 8-4:30
  - ▶ Fall 8-4:30
  - ▶ Spring 8-4:30
  - ▶ **Night clinic 3:30 to midnight**
- ▶ Weekend Clinic



# Clinical Dress Code

- ▶ The personal appearance and demeanor of the Radiography students at A-B Tech reflects both the College and Program standards and are indicative of the student's interest and pride in the profession

## **HUGE Deal**

- ▶ You must wear specific uniforms and shoes, have all tattoos covered, hair must be worn up and out of face, beards must be neat and groomed, hair color must be conservative in nature, no nail polish allowed, limited jewelry, etc.

# Policies

- ▶ As with all our policies, clinical dress code and expectations are explicitly explained before student is allowed in clinic
- ▶ We try to be as transparent as possible
- ▶ We try our best to be fair and consistent
- ▶ Our instructors go above and beyond to help a struggling student
- ▶ We are strict but you will know exactly what we expect so there will be no confusion

# Professional Conduct

Division of Allied Health

Clinical Participation

# Professional Conduct in Handbook

Here are just a few:

- ▶ Lying
- ▶ Cheating
- ▶ Stealing
- ▶ Intentionally misleading or deceiving
- ▶ Plagiarism
- ▶ ALARA
- ▶ Lack of confidentiality

**DON'T DO IT.**

# Classroom Policies

10% rule-to receive course credit for all RAD classes, a student must attend a minimum of 90 percent of the contact hours of the class

**STRICKLY enforced**

# Program

- ▶ We are EXTREMELY lucky to have a supportive college that has allowed our program to become what it is today.
- ▶ We have 3 x-ray rooms in which we perform labs
- ▶ Our labs have the most up to date technology
- ▶ We have an Anatomage Table for learning purposes
- ▶ We have been able to purchase several very extremely expensive pieces of equipment

# Program Data

- ▶ 100% ARRT pass rate for over **15 years**
  - ▶ 2018 job placement was 100%
  - ▶ 2019 job placement was 94%
  - ▶ 2020 job placement was 100%
  - ▶ 2021 job placement was 100%
- 
- ▶ It is suggested that if you are considering other RAD Tech Programs you compare their pass rates with ours. The JRCERT requires that each program include program effectiveness data on their webpages.



# Next Step

- ▶ You must apply for the program during the application period which runs February 1, 2022, through March 11, 2022.
- ▶ You must meet with a student advisor. [Advising@abtech.edu](mailto:Advising@abtech.edu)
- ▶ You must email a RAD faculty a completed copy of the last slide of this PowerPoint. Upon review of the document, the RAD faculty will submit your name to advising stating you have completed the information session.
- ▶ If you have ANY questions, PLEASE contact a RAD faculty member.

Chairperson: Angie Goodwin @ [angiegoodwin@abtech.edu](mailto:angiegoodwin@abtech.edu)

Faculty Member: Brenda Phillips @ [brendalphillips@abtech.edu](mailto:brendalphillips@abtech.edu)

Faculty Member: Rene Brooks @ [renebrooks@abtech.edu](mailto:renebrooks@abtech.edu)

Printed Name: \_\_\_\_\_

Signed Name: \_\_\_\_\_

Date: \_\_\_\_\_

- ▶ Did you find the information in the PowerPoint helpful? Yes \_\_\_\_\_  
No \_\_\_\_\_
  
- ▶ Did this PowerPoint influence you at all in making a decision regarding pursuing a career in Radiography?  
Yes \_\_\_\_\_ No \_\_\_\_\_
  
- ▶ If yes, circle one. Did it:
  - ▶ Make you want to apply to the program.
  - ▶ Make you not want to apply to the program.

**The End**