

Welcome to Radiography

Asheville-Buncombe Technical Community College

What Are We Called?

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



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

We are **NOT** technicians!

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 the human 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 can potentially last for several hours
- ▶ Work with all departments in the hospital

The RAD Life

- ▶ We perform routine x-rays as well as trauma exams
- ▶ 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 deceased

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 determine if a patient needs surgery
- ▶ Because of us a doctor can determine 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 talk to people
- ▶ You have to touch people
- ▶ 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 patients
- ▶ 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-\$44.00
- ▶ Annual median wage-\$70,810



Bureau of Labor Statistics for North Carolina

- ▶ Diagnostic X-ray
 - ▶ Hourly mean wage-\$34.00
 - ▶ Annual mean wage- \$63,101

<https://www.ziprecruiter.com/Salaries/Radiography-Salary--in-North-Carolina>
<https://www.salary.com/tools/salary-calculator/radiology-tech/nc>

Area Entry-Level Pay

Western NC entry level techs make approximately \$22.00 hour
fresh out of school

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 further your education/career in 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 certification test, 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
Joint Review Committee on Education in Radiologic Technology



Excellence in Education

Radiography Program

Asheville-Buncombe Technical Community College

Information



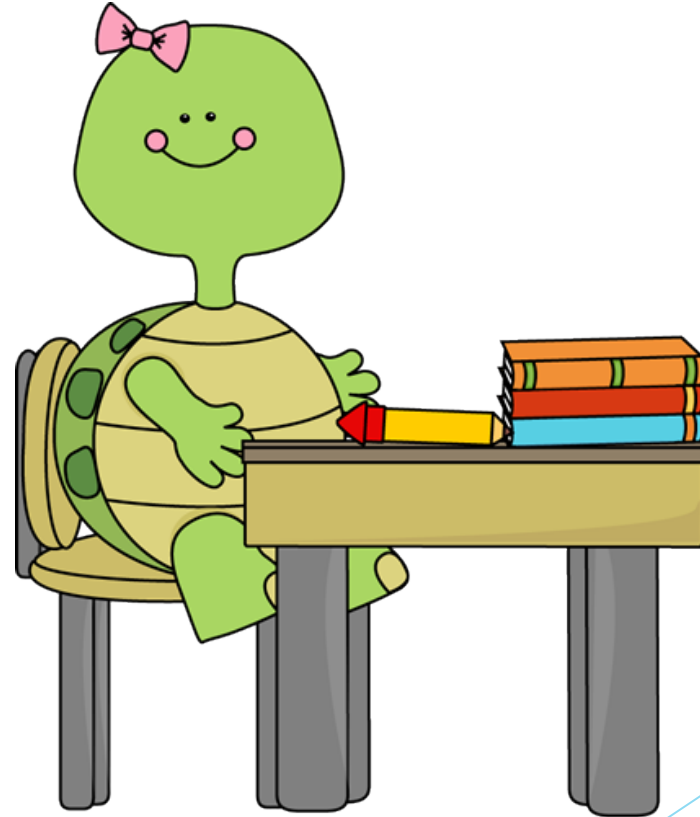
- ▶ Please visit our program website. There is **a lot** of useful information.
<https://abtech.edu/programs/academic/radiography>
- ▶ Please read over our program handbook.
<https://abtech.edu/document/2023-radiography-program-handbook>

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 your child's daycare doesn't open till 7:30, you will need to make other arrangements to get your child to daycare.
- ▶ 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 class or 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



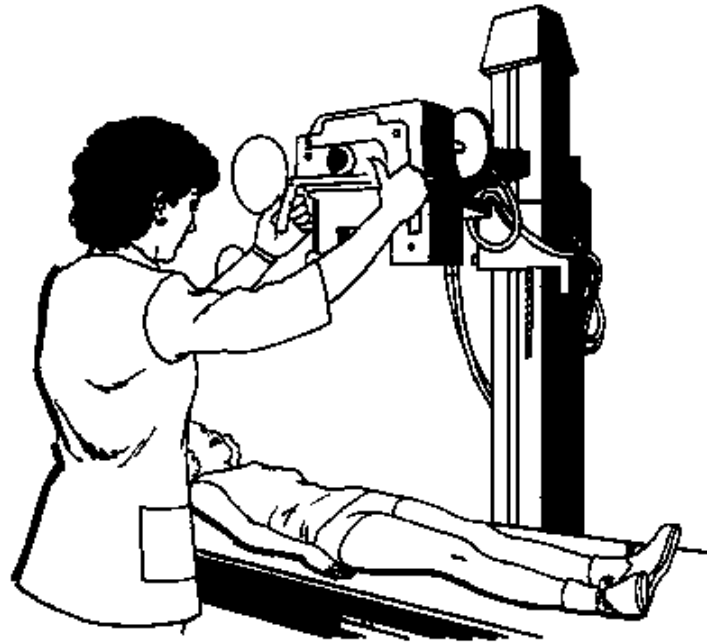
CLINICAL EDUCATION CENTERS

- ▶ Memorial Mission Hospital
- ▶ EmergeOrtho
 - ▶ Arden and Weaverville
- ▶ Charles George VA Medical Center
- ▶ Margaret R. Pardee Medical Center and Radiology Outpatient Center
- ▶ Advent Health Hospital
- ▶ McDowell Hospital
- ▶ Carolina Internal Medicine
- ▶ Advent Polk (St. Luke's)
- ▶ 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 West
- ▶ Carolina Spine
- ▶ Johnson City Medical Center

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 sites 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 8a-4:30p
 - ▶ Spring 8a-4:30p
 - ▶ Summer 8a-4:30p
 - ▶ Night clinic 3:30 to midnight
- ▶ Weekend Clinic



Clinical Dress Code

- ▶ The personal appearance and demeanor of the A-B Tech Radiography students reflect 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% 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 digital 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 purchased several, exceptionally expensive pieces of equipment, to enhance the student laboratory learning experience

Program Data

- ▶ 100% ARRT certification pass rate for more than **15 years**
 - ▶ 2021 job placement was 100%
 - ▶ 2022 job placement was 100%
 - ▶ 2023 job placement was 100%
 - ▶ 2024 job placement was 100%

It is suggested if you are considering other RAD Tech Programs, you compare certification test pass rates against A-B Tech

The JRCERT requires each program include program effectiveness data on their webpages

Next Step












- ▶ You must apply for the program during the application period.
- ▶ You must meet with a student advisor. Advising@abtech.edu
- ▶ You must email Rene' Brooks a completed copy of slide #42 of this PowerPoint. Upon review of the document, your name will be submitted to advising stating you have completed the mandatory information session.
- ▶ If you have ANY questions, PLEASE contact a RAD faculty member.


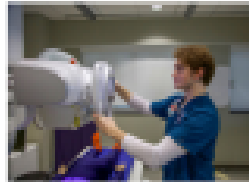



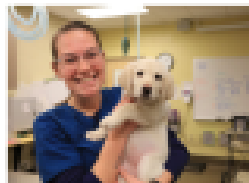
Chairperson: Rene Brooks, MAEd., R.T.(R), (ARRT) renebrooks@abtech.edu





Faculty Member, Clinical Coordinator: Kayce Leon, B.S., R.T.(R),(BD),(ARRT) kaycesleon@abtech.edu

Faculty Member: Sereitha Miller, B.S., R.T.(R), (ARRT) sereithadmiller@abtech.edu

Other Allied Health Programs

Program	Highlights
<p>Cardiovascular Sonography and Medical Sonography</p>   <p>Cardiovascular Sonography</p> <p>Medical Sonography</p>	<p>Sonographers use high frequency sound waves to produce dynamic visual images of organs, tissue, and blood flow. The program provides the individual with the knowledge and skills necessary to acquire, process and evaluate abdominal and pelvic organs, pregnancy, cardiac and vascular structures. Sonographers learn the normal appearance of organs and the different pathologies that can affect the structures that are examined. Sonography requires an in-depth understanding of clinical signs, symptoms and laboratory information associated with pathologies. The job outlook for 2021-2031 is 10% (faster than average) according to the US Bureau of Labor Statistics.</p> 
<p>Dental Assisting</p> 	<p>One-year diploma program 100% employment rate Work alongside the dentist during fillings, extractions, crowns, root canals, etc., or can work in specialty offices</p> 
<p>Dental Hygiene</p> 	<p>Employment of dental hygienists is projected to grow 9 percent from 2021 to 2031. Employment offers exciting and rewarding career opportunities. 100% employment rate 2-year program</p> 
<p>Medical Laboratory Technology</p> 	<p>100% ASCP pass rate. 100% employment rate. Accredited by NAACLS, ensuring the highest standards of quality and excellence in education. Work in the laboratories of hospitals, doctor offices, research, and reference labs.</p> 
<p>Occupational Therapy Assistant</p> 	<p>OTAs work with the entire population from newborns to hospice care with all different types of disabilities and challenges to participate in everyday life activities. Under the supervision of an Occupational Therapist, OTAs focus on providing treatments that help people with physical, psychological, and social needs to rebuild skills, health wellness, and functional independence in their homes and communities. Employment for OTAs is projected to grow 27% from 2018 to 2028.</p> 

Program	Highlights
<p>Radiography</p> 	<p>Radiographers are the 3rd largest group of health care professionals. 100% ARRT certification test pass rate 100% employment rate Accredited by the JRCERT, the "gold standard" for excellence in education. Radiographers use X-rays to take pictures of the human body.</p> 
<p>Surgical Technology</p> 	<p>100% pass rate on the national credentialing exam 100% employment rate 100% employer and graduate satisfaction Surgical technologists are the only formally educated perioperative professional in an operating room. Surgical technologists establish, prepare, and maintain the surgical field working alongside a surgeon assisting with surgical procedures.</p> 
<p>Veterinary Medical Technology</p> 	<p>Assist veterinarians in surgery, perform laboratory, radiographic, anesthetic, and dental procedures while providing high-quality veterinary nursing care. Accredited by the American Veterinary Medical Association (AVMA) and the Committee on Veterinary Technician Education and Activities (CVTEA). Our graduates are highly sought after in our local veterinary community, with over 50 partnered practices and a 100% employment rate.</p> 

Program	Highlights
<p>Medical Assisting</p> 	<p>One of the nation's fastest-growing careers through 2030. Medical assistants are multi-skilled health professionals specifically educated to work in a variety of healthcare settings performing clinical and administrative duties, e.g., basic laboratory tests, draw blood, give injections, prepare/administer medications, remove sutures, assist the physician during the exam, schedule appointments, billing, and bookkeeping. Accredited by the Commission on Accreditation in Allied Health Education Programs</p> 
<p>Phlebotomy</p> 	<p>16-week program: 8 weeks in class and 8 weeks in clinical #2 program in the Nation</p> 

Printed Name: _____ Student ID# _____

Signed Name: _____ Date: _____

▶ Did you find the information in the PowerPoint helpful?

Yes _____ No _____

▶ Did this PowerPoint influence you at all in your 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.

Please complete and send to
renebrooks@abtech.edu

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The End