

**Wake Technical Community College**  
**Minimum Admissions Requirements (MAR)**  
**Medical Sonography**

The Medical Sonography curriculum provides knowledge and clinical skills in the application of high frequency sound waves to image internal body structures. Course work includes physics, cross-sectional anatomy, abdominal, introductory vascular, and obstetrical/gynecological sonography. Competencies are attained in identification of normal anatomy and pathological processes, use of equipment, fetal growth and development, integration of related imaging, and patient interaction skills. Graduates of accredited programs may be eligible to take examinations in ultrasound physics and instrumentation and specialty examinations administered by the American Registry of Diagnostic Medical Sonographers and find employment in clinics, physicians' offices, mobile services, hospitals, and educational institutions.

**Admission to the Medical Sonography program consists of two phases. Phase one is applying to Wake Tech to become a Pre-Sonography student (A45440H). Phase two is applying to the clinical (SON) classes.**

**PHASE I** - The following steps are required to be classified as a **Pre-Sonography** student (working toward the Medical Sonography program):

1. Complete a mandatory Imaging Information Session. (**NOTE:** If you do not have Pre-Sonography student status within 1 year of completing the Imaging Information Session, you must attend another session prior to the application deadline.)
2. Complete the Wake Tech application process (NC Residency and college application) at [apply.waketech.edu](http://apply.waketech.edu)
3. Provide **official** transcripts in sealed envelopes of all previous education including high school and/or GED scores and all college(s) attended. Send transcript(s) directly to the Wake Tech Admissions Office. **Faxed, unofficial and student copies will NOT be accepted.** Address: **Wake Tech Perry Health Sciences Campus, 2901 Holston Lane Raleigh, NC 27610-2092** or [hsadvising@waketech.edu](mailto:hsadvising@waketech.edu).
  - a. In order for your college transcripts to be evaluated, you must be an accepted student. It is the student's responsibility to follow up with Student Records for transfer credit. If you have a question regarding your transfer credits, please email [tranevalreq@waketech.edu](mailto:tranevalreq@waketech.edu)
4. **Once transcripts are received, your file will be reviewed for admissions and course placement.** Starting fall 2019, Wake Tech has a new placement policy called RISE that uses unweighted high school GPA to determine placement, instead of testing. If you graduated from a U.S. high school within the last 10 years, you are exempt from taking the RISE Placement Test. You will be placed into courses based on your high school GPA. If you have already completed an associate's degree or higher, you are also exempt from testing. If you do not meet any of the testing waivers, you will need to take the college placement test. If a placement test is required, you can make an appointment at [testingcenter.waketech.edu](http://testingcenter.waketech.edu)

Please note that once the above listed steps have been completed, you can be considered a pre-Sonography student. You may want to meet with a Health Sciences Admissions and Academic advisor at the Perry Health Sciences campus to verify that you have been accepted as a pre-Sonography student and to review your next steps. You may also email [hsadvising@waketech.edu](mailto:hsadvising@waketech.edu) for assistance.

**PHASE II** – Apply to the clinical Sonography (SON) classes. The following are requirements as determined by the Imaging department and do not affect your status as a pre-Sonography student. Note that entry into the SON classes is a competitive process; submitting a SON clinical application does not guarantee acceptance. **The following steps must be completed by the clinical application date to be considered eligible for the Sonography (SON) classes.**

1. **Complete all minimum admission requirements listed in Phase 1.**
2. **Be a Nurse Aide I (NAI)** –Complete a state-approved Nurse Aide program and be listed on the North Carolina Nurse Aide registry by the Radiography application deadline. State-approved programs and testing requirements can be found on the NC Nursing Assistant webpage – [www.ncnar.org](http://www.ncnar.org)

The NAI status must remain current through the beginning of the first SON course. Wake Tech offers Nurse Aide training through the Workforce Continuing Education: <http://nurseaide.waketech.edu>

3. **Completion of ATI TEAS Exam** (Test of Essential Academic Skills). All 4 sections of the exam (Reading, English, Math and Science) are required. All official score reports must be received from testing sites other than Wake Tech. ATI TEAS or TEAS V scores must be within 3 years of submitting your Radiography (clinical) application. **TEAS scores will be used to award additional points in the competitive process.**
4. **Prerequisites:** The following classes must be completed by the clinical application deadline with a grade of “C” or better.
  1. BIO 163 – Anatomy & Physiology **or** BIO 168 & BIO 169 (within 5 years of 1st SON class)
  2. PHY 110 & PHY 110A – Conceptual Physics & Lab or college level physics with lab
  3. ENG 111 – Writing and Inquiry
  4. MAT 152 or MAT 171 (within 10 years of 1st SON class)
  5. ENG 112 OR COM 110 OR COM 120 OR COM 231
5. **Submit a Sonography clinical application.** All of the above minimum requirements must be met or the application will not be reviewed. **The Sonography clinical application deadline is January 31 for the Fall class and July 31 for the Spring class.** Please note that a new clinical application must be submitted for every SON clinical entry you apply for.

Once an applicant has been offered a full-time space in the program, he/she must complete the following:

- Attend a mandatory departmental orientation to learn about clinical requirements
- Abide by the dress code requirements for the facilities where you train, ie, Wake Med, Rex, etc. Clinical students must follow the policy set forth by the faculty in regards to Body Tattoos and/or Piercings. This policy could vary based on the facility.
- Obtain health & immunization records and a physical exam which will be uploaded to an online account
- Provide documentation of BLS for the Healthcare Provider CPR certification.
- Complete and submit the Influenza Vaccine Verification form
- Comply with the Technical Standards outlined for the Radiography program
- Pay for professional liability insurance (charged to Health Sciences students as a fee to pay with tuition)
- Provide documentation of health insurance
- Complete required drug testing and criminal background check as required by the college

Please note information obtained from the criminal background checks and drug screenings could jeopardize the students' ability to participate in clinical experiences, to complete the program, and to be certified, registered, and employed as a Radiologic Technician.

## Competitive Admissions Process

The competitive admissions procedure for Sonography utilizes a point system. This procedure is used if there are more applicants who have met the minimum admission requirements (MAR) than there are available clinical spaces. Those applicants with the highest number of points will be selected for the available clinical slots.

Applicants will be awarded points for each of the general education courses in the Sonography curriculum that they have already completed by the application deadline. For the January 31 application deadline, points will be accrued for classes completed through the prior fall semester. For the July 31 application deadline, points will be accrued through the summer semester. Students can retake the pre-SON classes. Points will be awarded based on the best grade.

Non-clinical (non-SON) courses that are part of the Associate Degree Medical Sonography curriculum that can be taken to earn points in the competitive process include: ENG 111, ENG 112, PSY 150, one Humanities/Fine Arts elective, BIO 163, PHY 110, and MAT 152.

### **Please note the following:**

- BIO 168 AND BIO 169 together will be accepted in place of BIO 163. BIO classes must have been completed within 5 years from the start of SON classes. For transfer credit, the anatomy and physiology classes or equivalent must have had a lab component.
- MAT 152 or transfer equivalent must have been completed within 10 years from the start of the SON classes to receive credit.
- For the Humanities/Fine Arts elective, the Imaging Dept strongly recommends HUM 115. However, you can choose one from ART 111, ART 114, ART 115, MUS 110, MUS 112, PHI 215, or PHI 240. You only need **ONE** humanities/fine arts elective class.
- Points will be awarded for courses taken at Wake Tech or any U.S. regionally accredited institution that meets the transfer criteria established by Wake Tech and the Associate Degree Imaging Department.
- Letter grades are not given to students who earned credit through AP, CLEP or DANTES. Please request official score reports to be sent the Admissions Office. Points will be awarded for courses that have been challenged with a grade of "B." Challenge exams will not be accepted for BIO classes.
- All program specific classes must be completed with a C or better
- For approvals of an equivalent course not listed, contact [tranevalreq@waketech.edu](mailto:tranevalreq@waketech.edu)
- Only the applicants who are accepted into the program via the competitive admissions process are allowed to register for the SON classes.
- Students must meet the course prerequisites for the classes they register for. Check the course catalog for up-to-date prerequisites.

## How to calculate your points

ENG 111	ENG 112 or COM elect	HUM elect.	PSY 150	MAT 152 or MAT 171	PHY 110 PHY 110A	BIO 163
A – 12	A – 12	A – 12	A - 12	A – 12	A- 12	A – 12
B – 10	B – 10	B – 10	B – 10	B – 10	B – 10	B – 10
C - 8	C - 8	C - 8	C – 8	C – 8	C - 8	C – 8

For ENG 112 or COM elective, you can chose from any of the following classes to meet this requirement – ENG 112, ENG 114, COM 110, COM 120, or COM 231. You only need ONE of these classes.

For MAT 152 or MAT 171, you only need ONE of these classes.

### Points awarded for ATI TEAS Composite score:

91+ = 20

81 – 90.4 = 12

71 – 80.4 = 6

63 – 70.4 = 3

Additional points:

- Reapplying to the SON program = 2 points (**points are only awarded once**)
- Completion of an Allied Health degree = 2 points
  - **Points are awarded based on the Imaging Department Head's approval**

College Course	College	Sem.	Grade	Points
BIO 163				=
MAT 152 or MAT 171				=
PSY 150				=
ENG 111				=
ENG 112 or COM elect.				=
Humanities Elective				=
PHY 110/110A				
Points from Grades				=
ATI TEAS or TEAS V Composite Score				+
Resubmission of SON clinical application				+
Completion of Allied Health degree				+
<b>FINAL TOTAL POINTS</b>				=

**Note:** Wake Technical Community College reserves the right to make changes at any time in the competitive admission process

## TECHNICAL STANDARDS FOR SONOGRAPHY

**TO THE APPLICANT:** Because of the requirements inherent in performing radiologic procedures in clinical environments, the following technical standards have been defined for Radiography applicants. You are advised to read the standards carefully and to seek clarification if necessary.

According to the nature of the work required in the Radiologic Sciences and the educational requirements of the Radiography Program, the student must be able to:

1. Reach, manipulate, and operate radiographic and fluoroscopic equipment, which is above shoulder level (about six feet off the floor).
2. Lift and carry at least thirty (30) pounds of weight in order to safely transport and use ancillary aids (cassettes, sandbags, portable equipment, etc.) when performing radiologic procedures.
3. Safely move standard wheel chairs and stretchers with patients from the emergency or waiting areas to radiologic examining rooms and safely assist mobile patients from the stretcher or wheel chair to the examining table and back without assistance.
4. Safely move immobile patients from stretcher to examining table and back with assistance from departmental personnel.
5. Lift, manipulate, and move patients as necessary for the performance of radiologic procedures.
6. Correctly read technique charts, read and select correct exposure factors at control consoles, and read and set correct distances and other equipment settings at the radiographic and fluoroscopic towers.
7. Monitor equipment and background sounds during equipment operation and report unusual or abnormal sounds to the appropriate person.
8. Visually monitor patient for retention of correct position, correct breathing, motion, or evidence of physical or emotional distress during the performance of radiologic procedures, including in dimly lighted environments.
9. Monitor and evaluate the vital signs of a patient including the taking of temperatures and reading standard thermometers, taking blood-pressure, monitoring respiration, and pulse rate.
10. Communicate clearly, both orally and in writing, with the patient, patient's family, clinical personnel, and others in order to obtain or disseminate information relevant to patient care and work duties.
11. Read and correctly carry out written instructions given on requisitions, treatment charts, notes, and other records.
12. Understand and correctly carry out oral instructions given by instructors and clinical personnel including in the special procedures suite or operating room setting where all personnel are wearing surgical masks.
13. Evaluate radiographs for technical quality including visual perception of density levels, contrast levels, evidence of distortion, and evaluation of minute structural details for evidence of blur.
14. Demonstrate emotional stability and mental alertness in day-to-day interactions with patients, visitors, staff, and peers in high stress/pressure situations that occur in the radiologic environment.

**Wake Technical Community College**  
**Student Criminal Background Check & Fingerprinting Requirements**  
**for Curriculum Health Sciences Students**

The hospitals and other clinical sites with whom the College has contracted to provide clinical training or Work-Based Learning experience, under the direction of their accrediting bodies, such as JCAHO (Joint Commission on Accreditation of Healthcare Organizations), require that all students and faculty who are assigned to their site provide a criminal background check to the College and that the College notify the clinical site of any individuals who have criminal records.

The clinical/Work-Based Learning sites have the discretionary right to refuse to permit a student having a criminal record from receiving training in their facility and this determination is made by each of the sites individually, without input from the College. Additionally, most clinical sites will not review or make a determination on “Pending” cases that have not been resolved.

The term “criminal record” is at this point in time being understood broadly to include the conviction of any felony, misdemeanor crime, or DUI/DWI over the course of the student’s lifetime; and/or the dismissed charge of any felony, misdemeanor crime, or DUI/DWI within the last seven (7) years, excluding minor traffic violations.

Students admitted to programs that require a clinical or Work-Based Learning component will be required to provide the College with an official criminal background check in order to meet the requirements of the clinical site. The criminal background check will be required when the applicant is admitted to the clinical portion of a health sciences curriculum. The College will direct this process by identifying the agency performing the check and maintain control of the information through the Health Sciences Clinical Compliance Administrator. The cost of the Criminal Background Check process is \$38.00 and is subject to change.

Once a student is accepted into the clinical portion of their program, they must order and pay for their criminal background check and, if required, their fingerprinting process (required of Nursing Students only.) If the criminal background check or fingerprinting process is not completed by the assigned deadline, the student will be removed from their health sciences program.

**Convictions and/or charges for certain crimes and/or evidence of drug use may disqualify students from participating in clinical or Work-Based Learning experiences.** Although an applicant’s criminal background will not prohibit admission to a health sciences curriculum, the inability to participate in clinical or Work-Based Learning experiences would prohibit the student from progressing and completing the program successfully. The following misdemeanor and/or felony charges, convictions, or pending/deferred adjudication histories may disqualify an individual from course progression in a Health Sciences Program because the student would not be eligible for clinical/Work-Based Learning placement (this includes, but is not limited to):

- Registered sex offenders
- Crimes against persons (physical or sexual abuse, neglect, assault, murder, etc.)
- Related to moral turpitude (prostitution, public lewdness/exposure, etc.)
- Related to the sale, possession, distribution, or transfer of narcotics or controlled substances
- Observed or proven theft (larceny)
- Misapplication of fiduciary property or property of a financial institution
- Fraud/securing execution of a document by deception
- DWI or DUI

If you have questions pertaining to the criminal background/fingerprinting check process, please contact Barbara Smith, Clinical Compliance Administrator, at (919) 747-0105 or [basmith1@waketech.edu](mailto:basmith1@waketech.edu).

## Summary of Medical Sonography Admission Process

**Pre-Sonography Status:** This is your classification after you are accepted to Wake Tech, you are taking possible pre-curriculum classes, and the related non-Sonography courses (ENG 111, PSY 150, etc) for points used in ranking.

### Must complete and submit the following to obtain Pre-Radiography status:

- NC Residency Determination
- Wake Tech Application
- Official High School or GED and all College Transcripts
- Completion of Imaging Information Session

### **To award points for ranking:**

- Fall entry: Points will be awarded for courses completed through previous Fall Semester
- Spring entry: Points will be awarded for courses completed through previous Summer Semester

**Sonography (Clinical) Status:** This is your classification if you are **accepted** into the Medical Sonography program. Once accepted, you will be taking SON classes, labs and clinical.

### Must provide the following to be considered for Sonography (clinical) status:

- Complete all steps listed above to be considered a pre-Sonography student
- **Prerequisites:** The following classes (or equivalents) must be completed by the clinical application deadline with a grade of "C" or better: BIO 163, PHY 110 & PHY 110A, ENG 111, MAT 152
- Submit a Sonography clinical application
  - July 31 for Spring SON entry
  - January 31 for Fall SON entry
- ATI TEAS Exam – official score reports must be received from all other locations
  - Must be within 3 years of Radiography clinical application deadline
- NAI (must be on the NC Nursing Assistant Registry by clinical application deadline)

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### **Who should I contact if . . .**

. . . **I need to check on my transcripts or current status?** Email: [hsadvising@waketech.edu](mailto:hsadvising@waketech.edu)

. . . **I need to apply for or check on my Financial Aid?** Email: [finaid@waketech.edu](mailto:finaid@waketech.edu)

Financial Aid is available on all campuses. For more information, please visit <http://financialaid.waketech.edu/>

. . . **I need to take the Placement test?** Go to the Testing Center website (<http://testingcenter.waketech.edu>) to make a reservation to test. Helpful test preparation sites are also available at the link above. You will be referred to see a Health Sciences Academic and Admissions Advisor after you complete your test to discuss your test results and recommended classes.

. . . **I want to meet with a Health Sciences Admission and Academic Advisor?** The Health Sciences Admissions and Academic Advisors are located at the Perry Health Sciences Campus only, Monday – Friday from 8:00 a.m. to 5:00 p.m. No appointment is necessary. Please come to the Student Services Center in HA 102 at the Perry Health Sciences Campus and the first available advisor will assist you.

## Estimated Costs for Students

### TUITION:

In-State:	\$76 per credit hour x 73 credit hours= \$5,548
Out-of-State:	\$268 per credit hour x 73 credit hours= \$19, 564

Current tuition and fee charts can be found on the Wake Tech web page - <https://www.waketech.edu/student-services/registration-student-records/payment-deadlines/tuition-costs>

### TEXTBOOKS for SON courses (based on Fall entry):

Non-Sonography:	\$400 - \$500
First Semester Books	\$497.29
Second Semester Books	\$275.93
Third Semester Books	\$141.95
Fourth Semester Books	\$184.85
Fifth Semester Books	\$111.90

### Additional Health Sciences Fees

Professional Liability Insurance	\$6.00/Term
Fee for Criminal Background Check	\$38.00
CPR class and book:	\$60 - \$95
Drug Testing	\$78.00
Immunization Tracking Account	\$18.00
Health Insurance is required while enrolled	variable

### HEALTH/MEDICAL/PHYSICAL REQUIREMENTS:

Physical Exam:	variable
Immunizations/Titers:	variable

**Students are required to obtain and maintain health insurance coverage while enrolled in the sonography program. (SON courses)**

### UNIFORMS & EQUIPMENT:

Uniforms:	\$68
Shoes:	\$100
2 Name Tags:	\$13
Lab coat:	\$20
Monogramming of uniforms:	\$14
Two side marker sets:	\$40.00
Trajecsys System if purchased directly from the vendor	\$150.00
Trajecsys System if purchased through the bookstore	\$214.30

### FINAL SEMESTER EXPENSES:

Graduation Regalia	\$40.98 plus tax
National Certification Exam	\$200.00

\*Calculated using the tuition rate for an in-state student for all 73 credit hours and the mid- range of estimates for 5 semesters. **Please note that this is an estimated cost list. Costs will vary per student.**