Medical Sonography (A45440): Degree Checklist

Instructional Service Agreement with Pitt Community College

2025-2026 Catalog Year - Present

Table 1:Overview of developmental courses required for 100 level English and math classes

Developmental Courses: Prerequisites for 100 level English and math classes
ENG 025
MAT 035

Table 2: Overview of courses taken at Nash Community College

General Education Requirements: Taken at Nash Community College						
✔	**Course:**	**Course Name:**	**Credit Hour(s):**	**Prerequisite:**	**Corequisite:**	**Notes:**
	ACA 122	College Transfer Success	1			ACA 115 is an option; talk to your success coach or advisor about this opportunity
	ENG 111	Writing & Inquiry	3	DRE 098 or ENG 025		
	ENG 112	Writing & Research in the Disciplines	3	ENG 111		
	MAT 121	Algebra/Trigonometry	3	DMA 060 or MAT 035		
		Humanities/Fine Arts Elective	3	DRE 098, ENG 025, or ENG 111		**HUM 115 OR PHI 240**
	PHY 110	Conceptual Physics	3			
	BIO 163	Base Anatomy and Physiology	5			
	PSY 150	General Psychology	3			
					Total: 24	

Updated Medical Sonography AAS Degree Curriculum Sheet (effective 6/30/22)

Major Courses Taken at Pitt Community College (51 Credit Hours):

*SON 110	Introduction to Sonography
*SON 111	Sonographic Physics
*SON 120	SON Clinical Education I
*SON 121	SON Clinical Education II
*SON 130	Abdominal Sonography I
*SON 131	Abdominal Sonography II
*SON 140	Gynecologic Sonography
*SON 220	SON Clinical Education III
*SON 221	SON Clinical Education IV
*SON 222	Selected SON Clinical Ed
*SON 225	Case Studies
*SON 241	Obstetrical Sonography I
*SON 242	Obstetrical Sonography II
*SON 250	Vascular Sonography
*SON 289	Sonographic Topics

Total Credit Hours Required for Degree: 75

***This program has special admissions requirements. These requirements are in addition to those completed for the College. Please visit www.pittcc.edu to review the requirements (click on Health Sciences > Admissions). Students must apply and be formally admitted to the program to take SON courses.**

***The medical Sonography program is accredited by the Commission of the Accreditation of Allied Health Education Programs (CAAHEP) by the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS).**

***Degree granted from Pitt Community College.**

Program Description:

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, and 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.

Applicant Information for Medical Sonography:

The Medical Sonography program is a collaborative agreement between Pitt Community College and Nash Community College. Students are welcome to apply to Nash CC to complete the general education classes before transferring to Pitt CC to gain acceptance into the program. Nash is allowed two seats into Pitt's program annually. To be considered for a seat, the student must have taken at least 6 credit hours at NCC, met the minimum requirements for the program (as defined below) and let the Office of Placement (Counseling) know their intentions. Therefore, the student has to have a NCC GPA for their name to be presented for the two NCC seats. A grade of C or higher is required in all courses to graduate from the Medical Sonography Program.

Application Dates: September 1st – February 15th

Start Date: Fall Semester; Length of Program: Five Semesters

- Applicants to the Medical Sonography program at Pitt Community College must:
  - **3.0 GPA** in general education & recommended courses for the program
  - TEAS exam within the past 3 years from the date of enrollment into the program
  - TEAS Points awarded based on total score: 90% or greater earns 20 points, between 76% and 89% earns 12 points, between 64% and 75% earns 6 points, between 40% and 63% earns 2 points, and less than 40% earns 0 points.
  - TEAS test may be taken twice per academic year (July1 - June 30) with at least 30 days between test attempts
  - CPR Healthcare Provider Certification by the AHA (submit by July 1)
  - Successful completion of NA I class (submit by July 1; applicants with degrees in emergency medical science, medical assisting, cardiovascular sonography, polysomonography, nursing, radiography, nuclear medicine, respiratory therapy, occupational therapy, physical therapy, and/or surgical technology are exempt)

- Minimum prerequisites (must be completed or in progress at the time of application submission):
  - ENG 111 with a C or better
  - BIO 163 with a C or better (must be taken within 10 years of program enrollment date)
  - MAT 121 with a C or better
  - PHY 110 with a C or better

- For questions about classes offered at Nash Community College, please contact:
  - Renee Martinez, Director of Advising Services
    252-451-8373 - **crmartinez699@nashcc.edu**

- For questions about classes offered at Pitt Community College, please contact:
  - Heather Costanzo, B.S., RDMS, RDCS, RVT, Program Director
    252-493-7240 – – hfcostanzo685@my.pittcc.edu -
    Fulford Bldg. Room 203 at Pitt CC
  - Health Sciences Admissions at 252-493-7473 or hltscadm@email.pittcc.edu

Essential Functions of a Medical Sonography Student

Essential functions are those considered necessary or fundamental to performance of a job. In postsecondary education, the student's job is to learn and participate in an academic environment and the clinical environment as well. The student, with or without reasonable accommodation, must be able to:

Physical Demands

1. Sit on a chair.
2. Push and pull routinely.
3. Be able to make color distinctions.
4. Lift 20-50 pounds occasionally and 10-25 pounds frequently.
5. Be independently mobile within a building and between buildings.
6. Travel to and from clinical placements, field trips, and assigned locations off campus.
7. Show sufficient balance to protect and assist patient(s).
8. Demonstrate strength, agility, and flexibility to manipulate and position a patient.
9. Have endurance and attention to actively engage in 9 hours of patient treatment or classroom activities each day, 5 days a week.
10. Reach and grasp overhead, in front of the body, to the sides and down.
11. Demonstrate fine motor coordination/dexterity to be able to grasp, handle, hold, cut, push, pull, and feel.
12. Identify and respond to changes in temperature in modalities and in the patient.
13. Work in confined spaces such as assisting patients in a bathroom or working in an office with several people.
14. Have full use of hands, wrists, shoulders, and work standing on feet 90% of the time.
15. Distinguish audible sounds.

Communication Skills

1. Audibly communicate with clarity in person to exchange accurate information on a one-to-one basis, in a small group, large classroom setting, or large group.
2. Produce at least one method of legibly written communication in standard and organized English such that 80 words can be produced in 20 minutes.
3. Use therapeutic communication: attending, clarifying, coaching, and facilitating, and using and responding to nonverbal communication.
4. Communicate effectively, efficiently and appropriately with peers, faculty, supervisors, other professionals, patients, and their significant others.
5. Demonstrate sufficient observational skills to collect data on patient performance, and assure patient safety during treatment activities.

Personal Traits

1. Work within clinical environments, which involve exposure to persons with physical and mental disabilities; and to pain, grief, death, stress, communicable diseases, blood and body fluids, toxic substances, noxious odors and irritating particles.
2. Work with a diverse patient population including persons of various ages, ethnic, racial, religious, alternative lifestyle, and socioeconomic backgrounds without prejudice or repulsion.
3. Conduct oneself in accordance with professional ethics.
4. Exhibit teamwork skills and a spirit of cooperation and respect for peers, faculty, supervisors and other professionals, patients and their significant others.
5. Work around others and alone.
6. Modify behavior/performance in the classroom or the clinic after feedback from the instructor or clinical supervisor.
7. Show problem-solving ability sufficient to organize and complete multiple tasks accurately and within assigned periods.
8. Independently initiate routine job tasks.
9. Respond independently and quickly to an emergency.
10. Demonstrate competency in clinical judgment and safety precautions.
11. Maintain poise and flexibility in stressful or changing conditions.
12. Deal with abstract and concrete variables, define problems, collect data, establish facts, and draw valid conclusions.
13. Interpret instructions furnished in oral, written, diagrammatic or schedule form.
14. Carry out detailed, simple to complex written or oral instructions.
15. Comprehend medical records, documents, evaluations, manuals, journals, instructions in use and maintenance of equipment, safety rules, and procedures.
16. Interact compassionately and effectively with the sick or injured.