Diagnostic Medical Sonography

Program description
This fifteen month program starts in the fall semester and covers both clinical and didactic instruction in abdominal, obstetrical, gynecological, and neonatal neurosonography ultrasound. The course of study includes Applied Anatomy and Physiology, Pathophysiology, Ultrasound Physics, Instrumentation, and Applied Sonography. Clinical education is provided in active Radiology and Perinatal Testing departments equipped with the most advanced ultrasound equipment. Upon successful completion of the program, the graduate will receive either a certificate or a Bachelor of Science in Medical Imaging Sciences from Rutgers, School of Health-Related Professions (SHRP). Graduates who enter the program with a prior BS or BA degree will earn a second Bachelor of Science degree in Medical Imaging Sciences. Graduates of the program will be eligible for examination by the American Registry of Diagnostic Medical Sonographers.

Description of The Profession*
The profession of diagnostic medical sonography includes general sonography, cardiac sonography, vascular technology, and various subspecialties. The profession requires judgment and the ability to provide appropriate health care services. General sonographers, cardiac sonographers, and vascular technologists are highly skilled professionals qualified by education to provide patient services using diagnostic techniques under the supervision of a licensed Doctor of Medicine or Osteopathy. The general sonographer, cardiac sonographer, and vascular technologist may provide this service in a variety of medical settings where the physician is responsible for the use and interpretation of appropriate procedures.

General sonographers, cardiac sonographers, and vascular technologists assist physicians in gathering data necessary to reach diagnostic decisions.

The general sonographer, cardiac sonographer, and vascular technologist are able to perform the following:

- Obtain, review, and integrate pertinent patient history and supporting clinical data to facilitate optimum diagnostic results;
- Perform appropriate procedures and record anatomic, pathologic, and/or physiologic data for interpretation by a physician;
- Record, analyze, and process diagnostic data and other pertinent observations made during the procedure for presentation to the interpreting physician;
- Exercise discretion and judgment in the performance of sonographic and/or other noninvasive diagnostic services;
- Demonstrate appropriate communication skills with patients and colleagues;
- Act in a professional and ethical manner;
- Provide patient education related to medical ultrasound and/or other diagnostic vascular techniques, and promote principles of good health.

(*Taken from the Essentials and Guidelines for Diagnostic Medical Sonography Programs accredited by the Commission on Accreditation of Allied Health Education Programs.

**Full-time and Part-time status**
This program is only available on a full-time basis primarily during the day.

**Department Faculty**
Please see the department faculty under Medical Imaging Department/view all campus.

**Primary Campus Location**
The program is based in the Scotch Plains campus with assigned clinical sites.

**Curriculum**
See database for program requirements and course descriptions and select your program at:

**Major Clinical Affiliates**
The Clinical Affiliations for the Diagnostic Medical Sonography include:
- CentraState Health Care System, Freehold, NJ
- Columbia University Medical Center, New York, NY
- Hackensack University Medical Center, Hackensack, NJ
- Holy Name Hospital, Teaneck, NJ
- Hunterdon Medical Center, Flemington, NJ
- Jersey Shore University Medical Center, Neptune, NJ
- Medical Imaging of Teaneck, Teaneck, NJ
• Medical Center at Princeton, Princeton, NJ
• Morristown Memorial Hospital, Morristown, NJ
• Mountainside Hospital, Montclair, Glen Ridge, NJ
• Newark Beth Israel Medical Center, Newark, NJ
• Ocean Medical Center, Brick, NJ
• Overlook Hospital, Summit, NJ
• Robert Wood Johnson University Hospital, New Brunswick, NJ
• St. Barnabas Ambulatory Care Center, Livingston, NJ
• St. Barnabas Medical Center, Livingston, NJ
• St. Clare’s Medical Center, Denville & Dover Campuses, NJ
• Saint Peter’s University Hospital, New Brunswick, NJ
• Somerset Medical Center, Somerville, NJ
• University Hospital, Newark, NJ
• Doctor’s Office Center, Newark, NJ
• The Valley Hospital, Paramus, NJ

Accreditation Status
Commission on Accreditation of Allied Health Education Program
35 East Wacker Drive, Suite 1970
Chicago, IL 60601-2208

Phone: (312) 553-9355

Date of accreditation: Reaccredited April, 2003 for 10 years. Next accreditation is 2013.

Admissions Requirements
The Diagnostic Medical Sonography Program offers 3 educational options.

OPTION 1: Certificate in Diagnostic Medical Sonography: Applicants must have previously completed a two-year allied health education program (i.e. radiography, nursing, etc.) or equivalent college course work (60 college credits in any discipline) And must have completed the following equivalent college course prerequisites: *Human Anatomy & Physiology (6-8 credits), College Math, Algebra or Statistics (3 credits), General Physics (2-4 credits) or Physics for the Diagnostic Imaging Professional offered through the Department of Medical Imaging Sciences, English (3 credits) and *Medical Terminology (on-line certificate courses are accepted). *It is recommended that these courses be completed within 5 years of application to program.

OPTION 2: Bachelor of Science in Medical Imaging Sciences: Applicants must have completed the required liberal study courses at the partner institution with a minimum G.P.A. of 2.75. For more information please refer to the section on Bachelor of Science in Medical Imaging Sciences.

OPTION 3: Second Bachelor of Science Degree:
Applicants that possess a BS or BA degree must have completed the same college prerequisite course requirements as the certificate option.

Students accepted into the program are required to complete a CPR course for Allied Health Professionals prior to starting the program.

Foreign educated students apply for the certificate option and must submit an evaluation of their foreign transcripts by World Education Services, official foreign transcripts, and official test scores from TOEFL (Test of English as a Foreign Language).

**G.P.A. minimum requirement/credentialing requirement:**
A minimum G.P.A. of 2.75 is required for admissions in the Diagnostic Medical Sonography Program.

**For More Information**
For more information contact the Office of Enrollment Services at (973) 972-5336 or via e-mail.

**For More Detailed Information on the profession, requirements, curriculum…please visit the program’s website.**

**For more specific information contact the program at:**
Rutgers, The State University of New Jersey
RBHS - School of Health Related Professions
Diagnostic Medical Sonography Program
Cynthia Silkowski, Program Director and Chairperson
1776 Raritan Road
Scotch Plains, NJ 07076

Phone: (908) 889-2521-Scotch Plains, (973) 972-5454-Newark
E-mail: silkowcy@shrp.rutgers.edu