

# DIAGNOSTIC MEDICAL SONOGRAPHY

Create images of internal body structures to aid the physician in making medical diagnoses.



## YOU WILL LEARN HOW TO:

- Understand terminology, techniques and protocols utilized in gynecology and obstetrics, vascular and abdominal ultrasound
- Prepare and maintain diagnostic imaging equipment
- Use special equipment to direct sound waves into areas of the patient's body
- Create diagnostic-quality images to aid the doctor in making diagnoses and guiding treatment
- Explain the imaging procedures to patients
- Record pertinent medical history and review lab results



## WHAT CAN I DO WITH THIS TRAINING?

- Prepare patients for procedures and review medical histories
- Operate equipment to obtain diagnostic images or to conduct tests
- Review images or test results to check for quality and adequate coverage of the areas needed for diagnoses
- Recognize the difference between normal and abnormal images and other diagnostic information
- Analyze diagnostic information to provide a summary of findings for physicians



## WHERE YOU'LL WORK

- Hospitals
- Physicians' offices
- Medical and diagnostic labs
- Outpatient imaging departments
- Free-standing urgent care facilities



## CAREER OPPORTUNITIES

- Diagnostic Medical Sonographer

### With 2 or more years' experience:

- Applications Specialist
- Education
- Independent Contractor
- Travel Technologist
- Sales



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# RESPIRATORY THERAPY

Specialize in prevention, diagnosis, treatment, management and rehabilitation of patients with breathing or other cardiopulmonary disorders.



## YOU WILL LEARN HOW TO:

- Provide treatment that can range from giving emergency relief to patients with respiratory disorders to long-term care for chronic conditions such as COPD or Cystic Fibrosis
- Manage and master life-saving devices such as mechanical ventilators and non-invasive machines
- Develop the clinical skills to manage respiratory disorders in a variety of patient populations from premature babies to geriatrics
- Administer breathing treatments and other adjunct therapies to improve lung function
- Educate patients about their condition and how to properly use medication and equipment



## WHAT CAN I DO WITH THIS TRAINING?

- Monitor, manage and modify life support equipment, including resuscitating patients
- Interview and assess patients with breathing or cardiopulmonary disorders
- Consult with physicians to diagnose lung diseases and develop patient treatment plans
- Perform diagnostics to measure lung function and assess severity of disease
- Be a valuable and active part of the team in end-of-life and palliative care



## WHERE YOU'LL WORK

- Hospitals
- Specialty clinics: asthma clinics or cystic fibrosis clinics
- Long-term care facilities
- Pulmonologists' offices
- Sleep labs
- Air and ambulance transport companies



## CAREER OPPORTUNITIES

- Respiratory Therapist
- Educator
- Sleep Disorder Specialist
- Pulmonary Function Technologist



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# VETERINARY TECHNICIAN

Provide advanced nursing and healthcare for animals.



## YOU WILL LEARN HOW TO:

- Administer examination techniques, radiologic, dental and surgical procedures as they relate to veterinary care
- Understand medical terminology, anatomy and physiology
- Build your skills in equine, livestock and lab animal medicine
- Handle birds, reptiles and some exotic mammals
- Prepare animals and instruments for surgery



## WHAT CAN I DO WITH THIS TRAINING?

- Provide nursing care or emergency first aid to recovering or injured animals
- Work in emergency animal hospitals
- Assist veterinarian with surgery
- Take and develop X-rays
- Administer medications, vaccines and treatments prescribed by a veterinarian



## WHERE YOU'LL WORK

- Clinics
- Hospitals
- Laboratories
- Ranches
- Zoos
- Biomedical or wildlife facilities
- Animal shelters and control facilities



## CAREER OPPORTUNITIES

- Veterinary Technician
- Instructor
- Clinic Manager
- Supervisor
- Research Veterinary Technician



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