

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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SURGICAL TECHNOLOGY

Prepare operating room, equipment and supplies for surgical procedures, advocate for patient safety and manage sterile field throughout the operative procedure.



YOU WILL LEARN HOW TO:

- Understand the properties of lasers and physics in the surgical setting
- Prepare surgical robotics and endoscopic equipment for use during surgery
- Facilitate the safe and effective conduct of both invasive and non-invasive surgical procedures
- Interact with a healthcare team and work under the supervision of a surgeon
- Become the go-to person on the surgical team who manages equipment, instrumentation and supplies during surgical procedures



WHAT CAN I DO WITH THIS TRAINING?

- Sterilize equipment, assemble surgical supplies and set up operating room for surgery
- Assist surgical team with patient transport and positioning
- Prepare patients for surgery, such as by washing and disinfecting incision sites
- Help surgeons during surgery by passing instruments and other sterile supplies
- Count supplies, such as sponges and instruments
- Prepare and handle medications used during the operative procedure
- Maintain a sterile environment



WHERE YOU'LL WORK

- Hospitals
- Outpatient surgery centers
- Endoscopy clinics
- Plastic surgery offices
- Medical device company
- Labor and delivery
- Central sterile department



CAREER OPPORTUNITIES

- Surgical Technologist
- Educator
- Laser/Endoscopy Technologist
- Procurement Technologist
- Labor and Delivery Technologist
- Private Surgical Technologist
- Travel Surgical 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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