Radiology

Radiology is the science of dealing with high-energy radiation, like X-Rays, especially the use of radiation for the diagnosis and treatment of diseases.

Technologists are the health care professionals that perform MRI's, X-Rays, CT Scans, and other imaging procedures. A physician/doctor interprets the tests and decides upon a treatment.
Careers in Radiology

**Radiology Technicians** - operate the machinery, position the patients to be tested, and perform the tests.

**Radiologic Technologist** - very similar to Radiology Technicians, but have a four-year Bachelor's degree.

**Radiology Assistant** - they are trained by radiologic technologists and they have completed advanced study and work under a doctor of radiology.

**Radiology Nurse** - are registered nurses who completed special training in treated patients who are undergoing radiologic procedures.
Occupational Therapists treat people with physical, mental, and cognitive issues. They help them recover the daily life functions they had before the accident or injury.
REQUIREMENTS FOR OCCUPATIONAL THERAPIST

An Occupational Therapist needs to have a Masters Degree. This takes about two years to accomplish after receiving a Bachelor's Degree.

Occupational Therapists also need to be educated in anatomy, assistive technology, and patient care.
PHYSICAL THERAPIST

Physical Therapists (PT) are doctors who help patients reduce pain and increase their mobility. PT's have to develop a plan of action and then carry it through to their patient and help them get well.
References


CAREER EXPLORATION

Sarasota Memorial Hospital
Technology in Healthcare
Mrs. Vega | Engineering
Funded by a grant from the:
Education Foundation of Sarasota County
Learning CPR and AED

SIMULATION CLASSROOM
RADIOLOGY

“Heading” in for a CT scan with a 36 year veteran radiologist watching over.
REHABILITATION THERAPY

Physical therapist must have PhD in order to practice in their field.

Occupational therapists help with everyday tasks.
INTO THE CLASSROOM

Students applied what they learned from the Rehabilitation Therapists and created their own foot orthosis.

With a budget of $30, teams shopped in the class store for materials. The project concluded with a runway style show featuring each team’s orthosis. Several models even fit in the model’s shoe! I saw a huge improvement in the quality of designs and student engagement because of our visit to SMH.
THANK YOU
EDUCATION FOUNDATION
AND
SARASOTA MEMORIAL HOSPITAL