

# RAD131: Radiation Physics

**Credit Hours:** 3

**Clock Hours:** 37.5/15/0

A study of the fundamental units of measurement, the structure of matter and the concepts of work, force, and energy. The course covers the basics of electricity: electrostatics, electrodynamics, magnetism and the electric generator. Concepts include electromagnetic induction, transformers, rectifiers, x-ray tubes, and the interactions that produce x-radiation. Radiation measurement and basic radiation protection concepts are also included.