

**New York State Department of Civil Service**  
DIVISION OF CLASSIFICATION & COMPENSATION

Classification Standard

***Occ. Code 6106000***

**Medical Physicist, Grade 27**

Brief Description of Class

The Medical Physicist investigates, researches, and analyzes the diagnostic and therapeutic uses of new and existing technologies in radiation oncology to identify the probable or root causes of medical misadministration or error; notify licensed users of radiation equipment, provide guidance to mitigate such events, and improve quality of care and patient safety.

This position is non-competitive and classified in the Department of Health.

Distinguishing Characteristics

*Medical Physicist:* one position class; functions as a statewide expert in radiation oncology within the Center for Environmental Health's Bureau of Environmental Radiation Protection.

Related Classes

Radiological Health Specialists apply specialized knowledge in radiation protection by regulating the statewide use and possession of radioactive materials and radiation-producing equipment to prevent unnecessary radiation exposure to the public. Incumbents conduct radiological health inspections, and/or review applications for licensure to possess or use radioactive materials and radiation-producing equipment, or radiological technologist licensure; perform environmental monitoring and sampling activities; oversee radiological decontamination and decommissioning, and emergency and incident response activities; and provide related consultation and assistance to local health departments, emergency responders, and other State agencies.

Illustrative Duties

Researches state-of-the-art technologies in radiation oncology, evaluates the results of their implementation for patient diagnosis and treatment, and develops quality assurance regulations and guidance documents for equipment registrants and licensees to ensure patient safety and compliance with State and federal laws, rules, and regulations.

Reviews medical misadministration or error reports and results from on-site investigations of medical events involving radiation; researches frequent causes and contributing factors; analyzes data on treatment planning, equipment function, and operator actions to determine the probable or root cause of such events; and notifies licensed users of radiation equipment statewide.

Works with national organizations, such as the Conference of Radiation Control Program Directors and the American Association of Physicists in Medicine, to develop materials and protocols to improve diagnostic and therapeutic uses of radiation and the quality of care and patient safety.

Trains Radiological Health Specialists in the operation and use of technology in radiation oncology, data collection, and enforcement actions to ensure that adequate information is obtained and potential hazards are identified for corrective action during radiological health inspections.

Inspects medical radiation sites, and evaluates procedures, equipment, and medical radioactive material license renewal and amendment applications when expertise is needed.

#### Minimum Qualifications

Non-Competitive: Ph.D. in an appropriate field and board certification as a Medical Physicist from either the American Board of Radiology or the American Board of Medical Physics.

**Note:** Classification Standards illustrate the nature, extent, and scope of duties and responsibilities of the classes they describe. Standards cannot and do not include all of the work that might be appropriately performed by a class. The minimum qualifications above are those which were required for appointment at the time the Classification Standard was written. Please contact the Division of Staffing Services for current information on minimum qualification requirements for appointment or examination.

Date: 8/2018