# Medical Physicist Sr – Position Description

## Position Purpose

## Provides physics services to the Radiation Therapy department in accordance with the highest standards of practice and as required by regulatory and accrediting agencies.

## Duties and Responsibilities

* Program development to include acceptance testing, commissioning, and clinical implementation of new treatment approaches. Training the oncologists and the technical staff on the clinical and technical aspects of new modalities.
* Calibration of various Radiation Oncology equipment (photon and electron beams) consistent with national protocols. Measure various dosimetry parameters to insure consistency of accelerator operation. Establish and conduct a quality assurance program consistent with Task Group 40 (TG40).
* Development of practice standards for new treatment approaches which are consistent with national standards and which provide for patient and staff safety.
* Manage the treatment planning systems for the new modalities to include the measurement and documentation of the data tables and comparison of calculated versus measured radiation fields. Support other physicists and the dosimetrists in their use of the treatment planning system.
* Support the external beam treatment delivery program. Participate in the brachytherapy implant program which includes presence in the operating or procedure room and complete responsibility for source control and calibration.
* Maintain proper records necessary for State of Wisconsin and other agencies. Participate in the safety program of the institution, with emphasis of radiation safety. Provide continuing education for residents and staff oncologists.
* Participate in research studies and ongoing educational opportunities.

## Knowledge, Skills and Abilities

Knowledge of biology, chemistry, mathematics, documentation, and records management.

Data utilization, complex problem solving, critical thinking, resource management, and writing skills.

## Position Requirements

Education: Master’s degree

Experience: 3 years

FLSA: Exempt