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# SUPERSEDES

# TITLE Senior Nuclear Medicine Technologist (PET) CLASSIFICATION GRADE 06

**SPECIALTY GRADE 57**

BASIC FUNCTION AND RESPONSIBILITY

Perform a variety of complex positron emission tomography (PET), computerized tomography (CT) imaging and laboratory procedures that require independent judgment and initiative in order to obtain information for use by physicians in diagnosing or treating patient illness.

CHARACTERISTIC DUTIES AND RESPONSIBILITIES

Perform complex PET/CT examinations. Demonstrate and display a thorough knowledge of PET tracers and their relation to molecular physiological functions.

Evaluate equipment performance, recognize image artifacts, and initiate corrective action, when needed.

Develop PET examinations; create written protocols and scanning parameters.

Explain and demonstrate methodologies for procedures, equipment and devices to residents, physicians, students and staff new hires.

Develop, implement and evaluate technology required for new procedures.

Troubleshoot computer or equipment malfunctions.

Interact professionally with patient/family. Provide liaison between medical staff and patients, patients’ families, and hospital staff.

Perform duties of Staff Nuclear Medicine Technologist (PET) as required and assigned.

Maintain effective working relationships with faculty, staff, students and the public.

*In addition to the duties and responsibilities noted above, the position description must include statements from*[*UI Health Care Core Values (WECARE)*](https://uihc.org/mission-vision-and-core-values)*for Health Care positions or*[*Universal Competencies*](https://hr.uiowa.edu/careers/competencies/universal-competencies)*for all other positions.*

## SUPERVISION RECEIVED

Supervision is received from the PET/CT Manager or other designated official.

SUPERVISION EXERCISED

Functional supervision may be exercised over support staff and students.

### QUALIFICATIONS

A Bachelor's degree in Nuclear Medicine Technology approved by the Council of Education of the American Medical Association or equivalent combination of education and experience is required.

Certification by the Nuclear Medicine Technology Certification Board (NMTCB) in nuclear medicine is required.

Certification by the Nuclear Medicine Technology Certification Board (NMTCB) in PET.

Certification as a Nuclear Medical Technologist by the Iowa Public Health Department as documented by an Iowa Permit to Practice (IPP) is required.

Reasonable (1-3 years) of progressively responsible experience in dedicated positron emission tomography (PET) procedures and related computer applications are required.

Excellent written and verbal communication skills are required.

Demonstrated ability to perform complex PET examinations.

Demonstrated ability to initiate, develop and implement new projects in PET that advance new clinical applications or research endeavors.