

## Health Physics Student Intern Job Description

### General Purpose

This is a summertime, project-based, support position to assist the Radiation Safety Office with implementing general radiation safety program improvements; and participating in various special projects. The duration of the internship is approximately 12-14 weeks starting either in late May or early June and running through the end of August. Exact start and end dates will be determined based on candidate's availability.

### Essential Duties

1. Perform monthly and/or quarterly radiation safety surveys in research laboratories.
2. Assist in the receipt and delivery of packages containing radioactive material to research laboratories.
3. Advise laboratory staff of proper handling and disposal of radioactive materials per proper University and Regulatory Agency procedures.
4. Participate in training classes, hazard evaluations, and special projects. Provide general Health Physics summertime support to all areas of campus where radioisotopes, lasers, sources, or radiation producing equipment exists. This includes the Positron Emission Tomography (PET) Center and associated cyclotron; the EHS waste storage areas, and x-ray generating equipment use areas.
5. Maintain complete and accurate records as required by regulatory bodies.
6. Draft, update and edit standard operating procedures (SOP).

### Education and Experience

1. Candidate should be in pursuit of a Bachelor's or Master's degree in Health Physics, Radiological Health, Radiological Sciences or other functionally relevant scientific field. No prior related work experience required.

### Additional Education and Experience (helpful, but not required)

1. Knowledge of and interest in radiation, radioactive materials, radiation safety, laboratory uses of radioactive material, radiation-producing devices, and lasers.
2. Knowledge of the practice of radiological hygiene, including workplace monitoring, shielding and the selection and use of personal protective equipment and administrative, engineering and work practice controls.
3. Some knowledge and understanding of local, state and federal radiation safety regulations, and regulatory guidance pertaining to radiation safety.

4. Knowledge of laboratory science, operations and objectives, including chemical, biological and physical processes, procedures, techniques and instrumentation commonly used in research, teaching and clinical laboratories.

### Skills and Abilities

1. Capable of working both independently and collaboratively, as a student member of the EHS Radiation Safety team.
2. Must be detail oriented, organized and able to exercise good judgment in managing time.
3. Ability to establish and maintain professional, collaborative, service-oriented, cooperative and effective service oriented relationships with students, faculty, staff, and co-workers through effective and positive communication.
4. Ability to use health physics equipment and information technologies, including advanced database, spreadsheet, presentation and word processing editing features.
5. Written communication skills, including the ability to write clearly and actively on radiation safety related topics. Ability to edit for clarity, content and technical content.
6. Working knowledge of Microsoft Office products; particularly Word, Excel, and PowerPoint

### Physical Requirements/Licenses/Certifications

1. Stand, walk and negotiate occasional awkward work locations and paths of travel.
2. Work in a variety of physical environments.
3. Periodically perform short duration physical exertions, including light-medium weight lifting, pushing/pulling, stair or ladder climbing, etc. in support of a safety investigation, area or operations survey.

### To Apply:

Please submit the following items to Josh Armstrong, by e-mail to [josh.armstrong@yale.edu](mailto:josh.armstrong@yale.edu).

1. Resume
2. A one-page cover letter generally addressing the following items:
  - a. Why you are interested in the position
  - b. What drew you to the field of Health Physics
  - c. The Health Physics or related science course that you have enjoyed most in your studies so far and why
  - d. Your overall career goals

If you have any questions or concerns, e-mail or call Josh Armstrong at 203-785-3727. Applications are due by Friday March 15

