

Internship Posting Date: Summer 2019  
Internship ID #: 100016



Application Deadline: April 21, 2019

## New Jersey Department of Environmental Protection Opportunity

Internship:      Summer     \_\_\_ Fall Semester     \_\_\_ Winter Break     \_\_\_ Spring Semester

Internship Type:     \_\_\_ Co-op\*      Credit-Bearing\*      Non-credit

Internship Pay:      Non- Paid     \_\_\_ Paid     Pay Rate: \_\_\_\_\_

Intern Level:      Graduate School      Undergraduate

### DEP Program Area and Work Unit Offering the Internship:

Air Quality, Energy and Sustainability Program (AQES)  
Division of Energy, Security & Sustainability - Bureau of X-Ray Compliance

### Preferred Skill Set:

Research Skills, Statistics, and Microsoft Excel

### Internship Location:

25 Arctic Parkway, Ewing NJ 08560

### Internship Project Description:

#### Quality Assurance Program for Fluoroscopic X-Ray Machines:

Assist AQES' Bureau of X-Ray Compliance staff in developing an imaging quality test tool as a part of its quality assurance program for fluoroscopic x-ray machines. This project will enable the Bureau of X-ray Compliance staff to develop acceptable ranges for Image Quality and Entrance Skin Exposure associated with a patient's abdomen during fluoroscopic procedures.

### Estimated Project Duration and Suggested Weekly Work Schedule:

To ensure sufficient time to complete the project, we require Interns work a minimum of 8 weeks with no less than 14 hours per week at the NJDEP in Ewing Township, NJ.

### Description of DEP Program Area/Work Unit Offering the Internship:

For more information about AQES and its activities, visit us at <http://www.nj.gov/dep/aqes>.

### Internship Sponsor:

Al Orlandi, Supervising Radiation Physicist, Bureau of X-Ray Compliance  
contact information (609) 984-5891 or [Al.Orlandi@dep.nj.gov](mailto:Al.Orlandi@dep.nj.gov)

To apply, please submit the following to [AQESintern@dep.nj.gov](mailto:AQESintern@dep.nj.gov) by April 21<sup>st</sup>, 2019:  
completed [application](#); resume; brief writing sample; most recent transcript (unofficial copy acceptable);  
and three references (name and phone number for either professional or educational contacts)

Please include **“Quality Assurance Program for Fluoroscopic X-Ray Machines”** in the subject line.

Application can be found at <http://www.nj.gov/dep/jobs/intern-app.pdf>

\* Co-op and Credit-Bearing Internships require approval of the internship by the student's Academic Department. The DEP Internship Sponsor has agreed to work with the student's Academic Department to provide a credit-worthy learning environment that benefits DEP goals. The student is responsible for all costs associated with receiving the credits from their educational institution.