

**DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
JOB OPPORTUNITY
ENGINEER INTERN**

PLEASE FOLLOW THE SPECIFIC APPLICATION FILING INSTRUCTIONS AT THE BOTTOM OF THIS PAGE!

Open To: Public

Location: Bureau of Air Management, Planning & Standards Division, Mobile Source Group

Job Posting No: 112587

Type of Position: Permanent full-time (35 Hours)

Annual Salary: \$53,743.00 (ES18-5) First year Intern \$56,949 (ES18-7) Second year

Closing Date: November 30, 2015

Eligibility Requirement:

Applicants possessing a Bachelor's degree in engineering or related degrees may apply. A Bachelor's degree in Electrical, Chemical, Mechanical, or Environmental Engineering is preferred. State employees currently holding the above title may also apply for a lateral transfer.

Description of Duties:

Engineer Interns receive training, under the direction of a supervisor, in introductory professional environmental engineering work for a period of one to two years before promotion to the target class of Air Pollution Control Engineer 1. This position provides a unique opportunity to join a team committed to improving air quality in Connecticut by focusing on innovative and cost effective mobile source control strategies. Since mobile sources emit the most air pollution of any sector in Connecticut, these mobile source control strategies are critical to achieving both greenhouse gas and ozone precursor reduction targets. Specific duties will include:

- Assisting with engineering calculations including performing emission rate verifications, cost effectiveness studies and emissions control efficacy of mobile source programs;
- Assisting in reviewing engineering analyses of alternate fuel vehicle technology and vehicle fleets, such as electric and hydrogen vehicles;
- Assisting in researching fuels, fuel blends, and their effects on air pollution;
- Assisting in preparing detailed technical engineering reports;
- Assisting in modeling mobile source emissions for air quality and transportation planning purposes;
- Conferring with stakeholders and performing basic technical research in matters related to mobile source control programs; and
- Attending training to enhance knowledge of mobile sources and air pollution control.

Preferred Candidate Criteria:

- Bachelor's degree in Electrical, Chemical, Mechanical, or Environmental Engineering and shall have completed college environmental engineering coursework including air pollution control;
- Strong computer skills with proficiency in spreadsheet and database programs;
- Knowledge of and/or training in fundamental principles involved in pollution control, prevention and abatement;
- Training in reading, comprehending, and applying basic federal/state laws, rules, and regulations;
- Training or scholastic experience comprehending and following relatively complex technical, oral and written instructions;
- Knowledge of and/or training preparing clear and technically sound engineering reports;
- Strong analytical and problem solving skills;
- Strong oral and written communication skills; and
- Training or scholastic experience working independently and in a team environment.

Note: The filling of this position will be in accordance with reemployment, SEBAC, transfer, promotion and merit employment rules, if applicable.

Application Instructions: Interested and qualified candidates who meet the above requirements must submit a cover letter, college transcript, a resume, a ([CT-HR-12 form](#)) Application for Employment and current state employees must provide a copy of his/her last two performance appraisals to: **(Incomplete packages will not be considered)**

**Department of Energy and Environmental Protection
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