



AdvantageGreen Energy Internships Program - Position Description

About the Internship Program:

[AdvantageWest](#), the economic development partnership for Western North Carolina, has received funding from the State Energy Office of North Carolina to support the **AdvantageGreen Energy Internships Program**. This program will place nine, 12-month paid-internships with regional clean energy businesses and organizations providing experiential learning and training in a well-supported and supervised work environment. Through these positions, the program aims to create a pathway to full-time employment for talented recent graduates of NC colleges and universities, while at the same time helping expand our regional clean energy businesses.

Eligible Applicants:

Applicants must be either (1) a graduate within the preceding three years of an accredited institution of higher education in the State of North Carolina; or (2) be a permanent resident of North Carolina who has graduated from an accredited out-of-state institution of higher education within the preceding three years.

Host Business Info

Business Name: Altech-Eco Corporation

Business Address: 101 Fair Oaks Road
Arden, NC 28704

Type of Business: Alt Fuel Vehicle Conversion Manufacturer

Website: <http://www.altecheco.com/>

Internship Position Information

Position Name: Direct Conversion Engineer

Position Description:

The Direct Conversion Engineer will assist the Engine Systems Conversion team with the transition of standard gasoline engines into fully equipped and operational bi-fuel or dedicated CNG engine systems by learning the theory engineering and function of a CNG system and its components and how to effectively put them together.

Learning Objectives:

As a member of the Engine Systems Conversion team, the Direct Conversion Engineer will be responsible to transition a standard gasoline engine into a fully equipped and operational bi-fuel or dedicated CNG engine. The intern, a recent college graduate from an accredited institution of

higher education in the State of North Carolina, will develop the skills required to fit, gauge, test and plan for a full system based off of measurements, estimates and needs of the customers. The intern will learn to mitigate through high-pressure valve systems and learn the proper safety and development procedures for such systems. A primary focus of the internship will be on the importance of completing every system correctly and to customer specifications to ensure a clean, efficient and accurate system on every vehicle thus continuing a solid reputation of customer satisfaction with ATFFV vehicles

The intern will be trained as a fully functional member of the Engine Systems Conversion team and, with demonstration of quality performance, be eligible for a promotion to Calibrations and System Testing, a more technically advanced skill level of work that requires mechanical ingenuity and intuition on vehicle engine systems. Furthermore, based on the skills and aptitude of the intern, Altech-Eco hopes to retain the intern as a full-time employee upon completion of the award and transition the role to include a “train-the-trainer” aspect whereby the intern will be responsible for the training of future employees.

Duration: The position will start in October 2010 and last 12 months
40 hours/week, Monday – Friday

Compensation: \$15 / hr

To Apply: Please submit a resume, cover letter, and at least 3 references by email to:
Patrice McAlpin, Government Services Department patricemac@gmail.com

*At least one of your references should be from the college or university from which you recently graduated

Applications will be reviewed and interviews conducted on an ongoing basis. This position is expected to be filled by September 22nd.