

JOB DESCRIPTION

Position: Junior Engineer

Location: Landover, MD

Employment Status: Full-time, exempt

Required Experience: Entry level, 0-3 years experience

Salary: \$40,000 – 60,000 per year, paid semi-monthly (Dependent on experience)

Required Education: Bachelor of Science degree in Mechanical or Electrical Engineering

Travel Required: 5-10%

Benefits: Vacation, medical leave, insurance (medical, dental, life, vision, and long-term disability), 401(k) retirement savings plan

Qualifications: Works well in a team environment; some ability to work independently or with limited supervision; strong communication skills (written and oral); self-motivated; ability to perform supervised field work; some hands-on automotive experience desirable but not required; strong interest in transportation, energy and environmental issues required.

Required Technical Skills: Apply engineering and scientific principles and analytical techniques for variety of tasks and clients. Excellent Microsoft Office skills (including Word, Excel, PowerPoint, and Access) are required. Experience with Matlab, computer programming, and vehicle simulation modeling is desirable.

Job Description: This position will reside in the Technical Services Division, Transportation Program of New West Technologies. The Transportation Program supports fundamental and applied research programs for both government and private interests in the areas of conventional automotive systems, alternative fuels and vehicle technologies, and advanced vehicle technologies and systems. Research areas include advanced combustion engines, aftertreatment and emission control devices, idle reduction technologies and systems, advanced energy storage systems, and hybrid (electric and hydraulic) and fuel cell propulsion systems. Project work varies widely and includes programmatic support, technical and engineering studies, fleet data collection and

analysis, technology demonstration and deployment support, strategic planning, grant development, and economic analysis.

Position duties will include technical, engineering, and economic analysis, technical literature research, test protocol development, field data collection and vehicle instrumentation, database development and data analysis, model development and simulation, government and industry collaboration, report development, and business development support. Work assignments will be a mix of both short- and long-term durations, and will cover complex and comprehensive work areas for a variety of transportation clients. Candidate will be expected to work independently at times and must be flexible in supporting multiple technical managers to achieve successful project results.

Candidate may also have the opportunity to support other service areas of New West Technologies such as stationary and distributed power system assessment and demonstration involving renewable energy and hybrid technologies.

Candidate must be a U.S. citizen or possess a valid work permit. All candidates will be subject to a government security investigation and must meet applicable eligibility requirements.