The Steady Thermal Aero Research Turbine (START) Lab seeks to hire a qualified engineering designer to assist in the operations of a complex research facility. The focus areas for START are on increasing turbine efficiencies through improved turbine airfoil cooling, improved seals between rotating and stationary parts, and through the use and testing of additive manufactured components. Through strong support from Penn State, a major gas turbine manufacturer, and the federal government, the Department of Mechanical and Nuclear Engineering at The Pennsylvania State University created a unique facility that houses two 1,500 horsepower compressors and numerous other complex systems required for turbine testing. Information on the START Lab can be found at: http://www2.mne.psu.edu/psuturbine/index.html

Duties for this position include conceptualizing and creating mechanical, electrical, or computer numerical controlled designs, documentation, or programs to support the projects in START; create models, drawings, schematics, and assemblies using the appropriate tools; prepares bills of material, and/or other forms of documentation including computer output files used in the manufacturing process of creating the final product, prepares clear and complete documentation for use by engineers, manufacturers, and others while conforming to accepted standards and practices; coordinates work with appropriate personnel including sponsors, students, and permanent researcher associates. Duties also include assisting in assembling and disassembling laboratory equipment. This support requires the ability to work in a diverse environment with students and research sponsors through strong teamwork.

Typically requires an Associate's degree or higher in a drafting or related discipline plus five years of related experience, or an equivalent combination of education and experience. A Bachelor’s degree is preferred. This is a fixed term position funded for one year from date of hire with a good possibility of refunding.

Apply at https://psu.jobs/job/61029

CAMPUS SECURITY CRIME STATISTICS: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to http://www.police.psu.edu/clery/ , which will also provide you with detail on how to request a hard copy of the Annual Security Report.

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