

Senior Applied Statistician

Seeking an experienced candidate with diverse backgrounds in applied statistics or applied mathematics to join the Scientific Test and Analysis Techniques Center of Excellence (STAT COE) located at the Air Force Institute of Technology (AFIT) at Wright-Patterson Air Force Base, Ohio.

You will directly support the acquisition of new systems in the Department of Defense and/or Homeland Security by applying rigorous, statistically based test and evaluation methods.

As a senior STAT expert, you will help maintain and grow the technical quality of work and lead other STAT experts providing direct program support. Responsibilities include:

- Leading the development of test strategies, technical test designs, and post-test analysis
- Employing various techniques and methods such as design of experiments, Bayesian analysis, regression modeling, and reliability planning
- Using statistical software (e.g. JMP, R, Python, MATLAB) to create test designs
- Supporting special studies for topics of interest to senior leadership
- Leading and mentoring T&E practitioners in STAT processes and technical test design
- Teaching 1, 2, and 5 day courses in Design of Experiments and Reliability
- Communicating solutions to leadership orally and in writing, clearly and accurately
- Providing specific recommendations, best practices, case studies, and lessons learned

Required:

- PhD in statistics, applied mathematics, industrial engineering, operations research, or related field
- Demonstrated experience across a broad range of statistical applications
- Strong technical research and writing skills to prepare authoritative works
- Strategic thinker with ability to focus on the analysis of critical factors and variables to influence the long-term success of an organization.
- Exceptional interpersonal and team building skills to lead a community of disparate subject matter experts across industry, academia, and government

Preferred:

- DAWIA III in test and evaluation or system engineering
- 10+ years experience in test and evaluation of complex systems
- Demonstrated experience using rigorous methods to scope, test, and analyze defense systems
- Secret clearance