What Your Job Will Be Like

We are seeking a Ph.D. candidate to contribute to our high-quality, interdisciplinary research. Do you thrive in interdisciplinary environments and are eager to learn new concepts and address novel technical challenges?

On any given day, you may be called upon to:

- Perform as part of a technical team conducting creative statistical research
- Take part in developing advanced research ideas
- Publish outstanding developments and present results at conference meetings
- Interact with a diverse and interdisciplinary collection of colleagues

About Our Team

The Statistical Sciences Department provides innovative statistical solutions to help tackle the most challenging national security problems and leads in the advancement of statistical techniques for national defense applications. Through research, collaboration, and education we inform the collection, analysis, and interpretation of data to help Sandia execute its missions. We develop and deploy statistical algorithms to significantly improve national security capabilities.

Statisticians within the department participate as collaborators, principal investigators, and consultants in a broad range of activities that extend across and outside the Laboratories. They provide statistical expertise and support to all of Sandia mission areas. The activities include project participation (via statistical analysis and methodology development), applied research and development, teaching, and publishing. Areas of emphasis include design of experiments, industrial statistics, statistical quality control, probabilistic modeling and computer simulation, Bayesian statistics, spatial data analysis, functional data analysis, machine learning, reliability and maintainability analysis, margin and uncertainty analysis, and metrology.

About Sandia

Sandia National Laboratories is the nation’s premier science and engineering lab for national security and technology innovation, with teams of specialists focused on cutting-edge work in a broad array of areas. Some of the main reasons we love our jobs:

- Challenging work with amazing impact that contributes to security, peace, and freedom worldwide
- Extraordinary co-workers
- Some of the best tools, equipment, and research facilities in the world
- Career advancement and enrichment opportunities
Flexible schedules, generous vacations, strong medical and other benefits, competitive 401k, learning opportunities, relocation assistance and amenities aimed at creating a solid work/life balance*

*These benefits vary by job classification.


EEO

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or veteran status.

Qualifications We Require

You bring the confidence and skills to be eligible for the job by meeting these minimum requirements:

- Earned bachelor's degree
- Currently attending and enrolled full time in an accredited science, engineering, or math graduate program
- Minimum cumulative GPA of 3.0/4.0
- Ability to work up to 30 hours per week during the academic year, and up to 40 hours per week during the summer
- U.S. citizenship

Additional Requirements:

- Earned Master's degree in Statistics or a closely related discipline
- Currently enrolled in an appropriate Ph.D. program

Qualifications We Desire

- Strong interest in teaming in an interdisciplinary R&D environment
- Excellent oral and written communication skills
- Ability to collaborate with scientists and engineers from diverse backgrounds
- Desire to learn new statistical techniques and contribute to research

Security Clearance

Position requires a Department of Energy (DOE) Q-level security clearance.
Sandia is required by DOE to conduct a pre-employment drug test and background review that includes checks of personal references, credit, law enforcement records, and employment/education verifications. Applicants for employment must be able to obtain and maintain a DOE Q-level security clearance, which requires U.S. citizenship. If you hold more than one citizenship (i.e., of the U.S. and another country), your ability to obtain a security clearance may be impacted.

Applicants offered employment with Sandia are subject to a federal background investigation to meet the requirements for access to classified information or matter if the duties of the position require a DOE security clearance. Substance abuse or illegal drug use, falsification of information, criminal activity, serious misconduct or other indicators of untrustworthiness can cause a clearance to be denied or terminated by DOE, resulting in the inability to perform the duties assigned and subsequent termination of employment.