

1529 – Mathematical Statistician

Major Duties for This Position May Include:

- Administer and perform professional work and provide professional consultation in the application of statistical theories, techniques, and methods of gathering and/or interpreting quantified information on various scientific and public health issues and programs.
- Design, develop and apply mathematical techniques to research related to statistical methodology used in public health research and evaluates the results.
- Conduct evaluations of data collection, reduction, processing, and analysis methodologies.
- Writes and/or presents comprehensive technical statistical reports.

Related Competencies

- Statistical Software Literacy
- Decision Making
- Data and Information Management
- Data Analysis
- Problem Solving

Basic Qualifications

You must have a degree that included 24 semester hours of mathematics and statistics, of which at least 12 semester hours were in mathematics and 6 semester hours were in statistics.

Or

Combination of education and experience that include at least 24 semester hours of mathematics and statistics, including at least 12 hours in mathematics and 6 hours in statistics, as shown above, plus appropriate experience or additional education.

Minimum Qualifications

In additions to meeting the basic requirements above, applicants must meet the minimum qualifications requirement as defined below:

GS-11 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-09 grade level in the Federal Service. Specialized experience for this position includes:

- Serving as a technical advisor on various statistical analyses and methods

- Developing and/or presenting professional papers or reports on statistical studies or surveys

Or Education

Ph.D. or equivalent doctoral degree **or** three (3) full years of progressively higher-level graduate education leading to such a degree **or** LL.M., if related. **TRANSCRIPTS REQUIRED.**

Or Combination

You may qualify on a combination of education and experience. The total percentage of experience at the required grade level compared to the requirement, must equal at least 100 percent. Only graduate level education more than the first 36 semester hours (54 quarter hours) may be combined to be considered for qualifying education. **TRANSCRIPTS REQUIRED.**

GS-12 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-11 grade level in the Federal Service. Specialized experience for this position includes:

- Applying health-related statistical methods or conducting health-related statistical analyses
- Providing technical expertise to support complex statistical analyses

Note: There is no substitution of education for specialized experience at the GS-12 level.

GS-13 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-12 grade level in the Federal Service. Specialized experience for this position includes:

- Analyzing and reporting statistical data and collaborating or consulting on the application of statistical techniques or methods relevant to public health
- Plan and execute a variety of complex projects and develop recommendations requiring technical and authoritative judgment

Note: There is no substitution of education for specialized experience at the GS-13 level.

GS-14 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-13 grade level in the Federal Service. Specialized experience for this position includes:

- Developing and/or presenting professional papers or reports on statistical studies or surveys

- Utilizing advanced statistical methodologies, procedures, or programs for complex statistical analyses and methods

Note: There is no substitution of education for specialized experience at the GS-14 level.

GS-15 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-14 grade level in the Federal Service. Specialized experience for this position includes:

- Serving as a consultant and senior advisor in applying advanced statistical techniques to experimental design, data analysis, sampling, forecasting, quality control, and operations research to resolve novel or obscure problems
- Utilizing innovative collection methodology
- And/or establishing innovative writing and auditing procedures for automated or computer-assisted statistical survey operations

Note: There is no substitution of education for specialized experience at the GS-15 level.

Experience refers to paid and unpaid experience. Examples of qualifying unpaid experience may include volunteer work done through National Service programs (such as Peace Corps and AmeriCorps), as well as work for other community-based philanthropic and social organizations. Volunteer work helps build critical competencies, knowledge, and skills; and can provide valuable training and experience that translates directly to paid employment. You will receive credit for all qualifying experience, including volunteer experience.