

**LEARN MORE ABOUT OPEN MATHEMATICAL STATISTICIAN
ROLES AT THE CENSUS CAREERS WEB PAGE**



ONCE YOU'VE FOUND YOUR FIT AT THE U.S. CENSUS BUREAU

1. Navigate to www.usajobs.gov and search for the job announcement.
2. Prepare your job application, including attaching a resume and other required documents.
3. Submit your application to move into the Census Bureau's hiring process.
4. Visit your USAJOBS account regularly to check the status of your application.

Visit www.usajobs.gov/Help/Get-Started to learn more.
All job announcements include detailed qualification criteria for each role.

QUESTIONS ABOUT THE APPLICATION PROCESS

For additional information about the application process:

- Contact recruiter@census.gov.
- Visit our Census Careers Web site at www.census.gov/about/census-careers.html.

MATHEMATICAL STATISTICIANS AT THE U.S. CENSUS BUREAU



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WHY CHOOSE THE U.S. CENSUS BUREAU?

The U.S. Census Bureau is the **nation's leading provider of quality data** around the country's people and the economy.

Our agency is charged with **providing data-driven insights** to federal and local government, as well as the public, through **analysis of a multitude of complex survey datasets**.

HOW DO MATHEMATICAL STATISTICIANS CONTRIBUTE TO THE CENSUS BUREAU?

Mathematical Statisticians are an integral part of the team providing a scientific approach used in our sample surveys, censuses, and other data sources (e.g., administrative records).

WHAT PROGRAMS DO MATHEMATICAL STATISTICIANS WORK ON AT THE CENSUS BUREAU?

DECENNIAL CENSUS PROGRAMS

Develop and implement methodologies for sampling, estimation, quality assurance, coverage measurement, experiments, and evaluations for the largest data collection conducted by the United States.

DEMOGRAPHIC PROGRAMS

Design, implement, and maintain samples and frames, ensure accuracy and statistical validity, develop quality-control systems, and conduct experiments and evaluations for household sample surveys.

ECONOMIC PROGRAMS

Research, develop, implement, and evaluate statistical methods for over 100 sample surveys and censuses to measure the nation's economy.

RESEARCH AND METHODOLOGY

Conduct research to improve statistical methods used in the Census Bureau's surveys and censuses, and collaborate with staff from other areas to address statistical problems.

WHAT ARE THE MINIMUM QUALIFICATIONS FOR A MATHEMATICAL STATISTICIAN?

Eligible mathematical statistician candidates must have a degree or a combination of education and experience, including at least 24 semester hours in mathematics and statistics (at least 12 hours in mathematics and 6 hours in statistics). Differential calculus, integral calculus, multivariate calculus, and linear algebra or *equivalent courses* must be completed. For more information on the qualification requirements, please search for Math Statistician on <www.census.gov/careers>.

WHAT OPPORTUNITIES ARE THERE FOR PROFESSIONAL GROWTH?

BROAD NETWORK

Work with and learn from a broad network of 350 to 500 mathematical statisticians.

ATTEND SEMINARS

Attend seminars given by Census Bureau staff and members of the national and international statistical community.

PRESENT RESEARCH

Present your methodology or research results at prestigious and highly visible conferences or seminars.

GRADUATE COURSES

Enroll in graduate courses with tuition and fees paid by the Census Bureau.

MASTER'S OR DOCTORAL DEGREE PROGRAMS

Compete for positions in the master's or doctoral degree programs at different institutions, with expenses paid by the Census Bureau.

MENTORING PROGRAM

Work with a mentor to broaden your understanding of work, expand your professional network, and find opportunities for career enhancement.

CONTINUAL PROFESSIONAL GROWTH

Experience opportunities for continual professional growth through voluntary reassignment to positions supporting different Census Bureau programs.

WHAT BENEFITS ARE AVAILABLE?

Benefits include: alternate work schedules; telework; campus-like environment located just outside Washington, DC; fitness center; mass transit subsidy and access to Metro; Thrift Savings Plan equivalent to 401(k); subsidized health and life insurance; and free parking.

HOW DO I APPLY?

To identify open mathematical statistician positions at the Census Bureau, navigate to <www.usajobs.gov> and search for mathematical statistician jobs.

AREAS OF WORK

Mathematical statisticians work on several topics throughout their careers.



SURVEYS and CENSUSES

Areas of focus include sample design, census design and evaluation, and questionnaire development.



DATA COLLECTION

Areas of focus include experimental design, quality assurance, and predictive modeling.



PROCESSING AND EDITING

Areas of focus include statistical computation and missing data methods research.



COVERAGE

Areas of focus include coverage and frame improvement and coverage measurement.



ESTIMATION

Areas of focus include measurement of survey error, variance estimation, and data quality measurements.