Assistant Professor of Statistics

 Announcement Number FAC - VA - 20006

For questions regarding this position, please contact:

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Classification Title Assistant Professor

Working Title Assistant Professor of Statistics

Brief Position Overview

The Department of Mathematical Sciences at Montana State University (MSU) invites applications for a tenure-track Assistant Professor of Statistics, to begin August 2020. We seek candidates who are broadly trained in statistical theory, methods, and data analysis, and who have a commitment to excellence in teaching. We are interested in candidates with research in any area of applied Statistics including, but not limited to, Biostatistics, Environmental and Ecological Statistics, Psychometrics, Social Science Statistics, Statistical Computing, or Stochastic Processes.

Faculty Tenure Track Yes

Faculty Rank Assistant Professor

Position Number 4A3012

Department Mathematical Sciences

Division College of Letters & Science

Appointment Type Faculty

Contract Term Academic Year

Union Affiliation Exempt from Collective Bargaining

FTE 1.0

Benefits Eligible Eligible

Salary Salary commensurate with experience, education, and qualifications.

Contract Type MUS

If other, please specify

Recruitment Type Open

Position Details

General Statement

Montana State University is a land-grant institution committed to higher achievement in research. The Department of Mathematical Sciences has a lively research culture, including PhD and MS programs in Statistics and Mathematics, and
a new MS in Data Science. The faculty in the department is comprised of three disciplinary groups: Statistics, Mathematics, and Mathematics Education. The Statistics group has research interests in many areas of Statistics including Biostatistics, Bayesian methods, Environmental and Ecological Statistics, Multivariate Statistics, Spatial and Spatiotemporal analysis, Sports analytics, Statistics Education, Design of Experiments, and Response Surface methodology.

Montana State University values diverse perspectives and is committed to continually supporting, promoting, and building an inclusive and culturally diverse campus environment. MSU recognizes the importance of work-life integration and strives to be responsive to the needs of dual career couples (http://www.montana.edu/hr/dualcareer.html).

**Duties and Responsibilities**

Duties include research, teaching, and service.

A commitment to excellence in teaching and an active research program are essential. We are particularly interested in candidates with research in Biostatistics, Environmental and Ecological Statistics, Psychometrics, Social Science Statistics, Statistical Computing, or Stochastic Processes. However, strong candidates from any specialty area in Statistics are encouraged to apply.

Instructional responsibilities include teaching lower division, upper division, and graduate courses in Statistics as well as advising undergraduate and graduate students. Responsibilities may also include supervising lower division Statistics courses.

Service includes department, college, and university committee work, consulting with university scientists, and participation in local and national professional organizations.

A complete application will include a Statement of Contributions to Equity, Diversity, and Inclusion (EDI Statement). For more information, see http://www.math.montana.edu/equity_diversity_inclusion.html

As a tenure-track faculty member, a successful applicant must be able to balance the demands of teaching and advising students, conducting a research program that results in publication in high-quality venues, and seeking external funding for research and projects. The candidate will also serve on master’s and doctoral committees and participate in department and university service activities.

**Required Qualifications – Experience, Education, Knowledge & Skills**

Ph.D. in Statistics, Biostatistics, or equivalent.

Broad training in statistical theory, methods, and data analysis.

Evidence of research potential in Statistics.

Evidence of effectiveness in teaching, including the potential to advise graduate and undergraduate research.

**Preferred Qualifications – Experience, Education, Knowledge & Skills**

Demonstrated commitment to excellence in teaching.

Demonstrated ability to maintain a research program and advise graduate students.

Broad experience in using statistical inference.

Interest and experience in collaborating with researchers in other scientific disciplines.

Interest and experience in curriculum development of undergraduate and graduate courses in Statistics.

Potential for and interest in working with and engaging diverse students and colleagues within and outside the Department of Mathematical Sciences.

The Successful Candidate Will

Be an independent researcher with a strong commitment to quality teaching and will contribute to the Department’s mission of providing outstanding teaching, research, and service in Statistics to the local, national, and international communities.

Have an appreciation of diverse constituencies and add to the department’s commitment to diversity.

Possess strong oral and written communication skills, effective interpersonal skills, and will have the ability to collaborate productively with students and faculty at Montana State University.

Position Special Requirements/Additional Information

The job description should not be construed as an exhaustive statement of duties, responsibilities or requirements, but a general description of the job. Nothing contained herein restricts Montana State University’s rights to assign or reassign duties and responsibilities to this job at any time.

**PhD must be earned by August 16, 2020**

Physical Demands

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily with or without reasonable accommodations. The requirements listed above are representative of the knowledge, skill, and/or ability required.

The Program

The Department

The Department of Mathematical Sciences is recognized as a leading department of Statistics, Mathematics, and Mathematics Education. Bachelors, masters, and doctoral graduates in all of these areas are following successful careers in industry, government, and academia. Located in the heart of the Rocky Mountains, 80 miles north of Yellowstone National Park, we offer outstanding educational opportunities in an area of exquisitely beautiful scenery and outdoor recreation. Our department has a multifaceted role on campus and in Montana. We have the largest instructional component on campus, delivering about 10% of total student credit hours. We offer a B.S. in Mathematics with options in Mathematics, Applied Mathematics, Mathematics Teaching, and Statistics; an M.S. in Mathematics with options in Mathematics and Mathematics Education; an M.S. in Data Science; an M.S. in Statistics; a Ph.D. in Mathematics with emphases in Mathematics and Mathematics Education; and a Ph.D. in Statistics with emphases in Statistics and Statistics Education. The Mathematics Education option for the M.S. in Mathematics is an online program.

The College

The College of Letters and Science (L&S), the largest center for learning, teaching and research at Montana State University, offers students an excellent liberal arts and sciences education in nearly 50 majors, 25 minors and over 25 graduate degrees within the four areas of the humanities, natural sciences, mathematical sciences, and social sciences.
Building on the great strength of our traditional disciplines, the college provides exciting opportunities for faculty and students at the cutting edge of interdisciplinary inquiry. L&S is dedicated to supporting student success, discovering and disseminating new knowledge, and providing an atmosphere in which discovery and learning are integrated and valued. L&S is at the confluence of intellectual tradition, discovery, and innovation.

Posting Detail Information

Number of Vacancies 1

Desired Start Date Upon completion of a successful search.

Position End Date (if temporary)

Applications will be:

Screening of applications will begin on October 31, 2019; however, applications will continue to be accepted until the position is filled.

Special Instructions

Applications are accepted online and must include the following materials:

Letter of application addressing all of the required and preferred qualifications; and

Current resume or curriculum vitae; and

Statement of research accomplishments and future directions; and

Statement of teaching experience and interests; and

Statement of Contributions to Equity, Diversity, and Inclusion (EDI), see http://www.math.montana.edu/equity_diversity_inclusion.html; and

Pertinent Transcript(s); may be unofficial for initial application and;

Three letters of recommendation, at least one of which should address teaching (please enter the names and contact information of your recommenders, and the system will generate automatic requests to letter writers at a later stage in the process).

Diversity Statement

Montana State University values diverse perspectives and is committed to continually supporting, promoting and building an inclusive and culturally diverse campus environment. MSU recognizes the importance of work-life integration and strives to be responsive to the needs of dual career couples.

Montana State University is committed to providing a working and learning environment free from discrimination. As such, the University does not discriminate in the admission, access to or conduct of its educational programs and activities nor in its employment policies and practices on the basis of an individual’s race, color, religion, national origin, creed, service in the uniformed services (as defined in state and federal law), veteran’s status, sex, age, political ideas, marital or family status, pregnancy, physical or mental disability, genetic information, gender identity, gender expression, or sexual orientation. In support of the University’s mission to be inclusive and diverse, applications from qualified minorities, women, veterans and persons with disabilities are highly encouraged.

Montana State University makes accommodation for any known disability that may interfere with an applicant’s ability to compete in the hiring process or an employee’s ability to perform the duties of the job. To request an
accommodation, contact the Human Resources Office, PO Box 172520, Montana State University, Bozeman MT 59717-2520; 406-994-3651; recruitment@montana.edu.

In compliance with the Montana Veteran’s Employment Preference Act, MSU provides preference in employment to veterans, disabled veterans, and certain eligible relatives of veterans. To claim veteran’s preference please complete the veteran’s preference information located in the Demographics section of your profile.

MSU’s Non-Discrimination Policy and Discrimination Grievance Procedures can be located on the MSU Website: http://www.montana.edu/hr/disability_accommodation/complaints_grievances.html.

FLSA Details

FLSA Determination

FLSA Status Exempt

Applicant Documents

Required Documents

Cover Letter addressing Each of the Required and Preferred Qualifications

Curriculum Vitae

Research Statement

Teaching Statement

Statement of Contributions to Equity, Diversity and Inclusion

Transcript

Optional Documents

Transcript - Additional #1

Transcript - Additional #2

Transcript - Additional #3

Supplemental Questions

Required fields are indicated with an asterisk (*).