College of Forest Resources and
Environmental Science
Michigan Technological University

Type: Full-time
Category: Environmental Data Science and Biostatistics

Summary:
The [College of Forest Resources and Environmental Science](#) (CFRES) at Michigan Technological University (MTU) invites applications for a tenure track Assistant Professor faculty position in Environmental Data Science and Biostatistics, with an anticipated start date of August 2025. CFRES offers B.S. degrees in Forestry, Wildlife Ecology and Conservation, Applied Ecology and Environmental Science, Natural Resources Management, Sustainable Bioproducts, Environmental Science and Sustainability and Environmental Data Science. We additionally offer Master's degrees in Forest Ecology and Management, Applied Ecology and Forest Molecular Genetics and Biotechnology, and doctoral degrees in Forest Science and Forest Molecular Genetics and Biotechnology. MTU is located in Michigan's Upper Peninsula, providing access to diverse natural environments for hands-on learning, field-based research, and outdoor adventure, fostering a unique and immersive experience for students and faculty alike.

Michigan Tech attracts world-class faculty and staff who enrich the educational experience of smart, motivated, and adventurous students. Applicants who are committed to promoting a sense of belonging and contributing to an equitable and inclusive learning environment for all are strongly encouraged to apply (https://www.mtu.edu/diversity-inclusion/).

Responsibilities:
We encourage applicants who work with environmental data science, biostatistics, quantitative methods in natural resources, ecological modeling, or a related field.

Successful candidates will demonstrate the capacity to develop an internationally recognized and externally funded research program and mentor graduate students in the candidate's area of expertise.

The candidate will teach classes that contribute to a new B.S. degree in Environmental Data Science (EDS) that include the EDS Cornerstone introductory class and the senior EDS capstone class. Responsibilities will also include teaching a 3-4 credit course in the candidate's area of expertise and participating in service to the department, university, and broader academic community.

Required education:
A Ph.D. in a field related to environmental data science, biostatistics, or similar disciplines.

Required experience:
Evidence of scholarly productivity, commensurate with experience level, with a research emphasis related to environmental data science and the potential to generate external grant funding for this work.

Required knowledge skills and/or abilities:
Demonstrated experience with R, Python, Julia and/or other programming languages used in data science.

Desirable education or experience:
Experience teaching undergraduate courses as the lead instructor or as a teaching assistant.

Desirable knowledge skills and/or abilities:
Ability to engage with and mentor undergraduate and graduate students across major disciplines within CFRES such as Forestry, Wildlife, Genetics, and Applied Ecology.

Ability to effectively communicate in writing and speaking, information that conveys the potential for research and teaching excellence.

Research specializations that complement existing strengths across CFRES disciplines; these may include but are not limited to: forest biometrics, macrosystems ecology, plant-animal interactions, land-atmosphere interactions, landscape modeling, Earth systems modeling, or natural climate solutions.

Potential to support interdisciplinary research that is aligned with one of Michigan Tech's Research Centers; Research Centers at Michigan that facilitate research, teaching, and mentoring collaborations across campus. These include the Ecosystem Science Center, Great Lakes Research Center, Institute of Computing and Cybersystems or the Earth, Planetary, and Space Sciences Institute.

Experience writing grant applications.

Demonstrated success in, or potential future contributions to, working with persons from diverse backgrounds, creating a sense of belonging, and fostering a fair, objective, welcoming place to work for persons with a wide variety of personal characteristics and viewpoints.

Additional Information:

Applicants will need to upload the following documents:
- Curriculum Vitae
- Cover Letter
- Research Statement
- Teaching Statement
- Names and contact information for at least three references
- One or two top publications to which they have made significant contributions

For full consideration, please apply by November 20, 2024.

Michigan Tech is Michigan's flagship technological university and will be a Carnegie classified R1 institution in 2025. The university provides its graduates with an extremely high return on investment through its academic rigor and focus on experiential learning. Located near the shores of Lake Superior in Michigan's scenic Upper Peninsula, the community and university provide a high standard of living and quality of life.

Michigan Tech recognizes the importance of supporting faculty members' partners; candidates selected for on-campus interviews will be invited to bring a guest. Additional details can be found on our Partner Engagement website. Michigan Tech is an Equal Opportunity Educational Institution/Equal Opportunity Employer that provides equal opportunity for all, including protected veterans and individuals with disabilities.

Michigan Tech is proud to be an ADVANCE institution that has received multiple rounds of National Science Foundation support to increase diversity, inclusion, and the participation and advancement of women and underrepresented individuals in STEM.

For more information contact the search committee chair, Dr. Steven Voelker at slvoelke@mtu.edu.