

## **Weather & Climate Analytics (WCA)**

### **Job Announcement**

The Department of Meteorology at The Pennsylvania State University invites applications for a full time non-tenured faculty position focused on professional online education in the area of Weather and Climate Analytics. The successful applicant will lead the development and teaching of exciting new online education courses that culminate in a Postbaccalaureate Certificate in Weather and Climate Analytics. The certificate is intended for professionals who are faced with decisions involving weather and/or climate impacts and will be designed to address the emerging needs of numerous corporate and government sectors that are looking to incorporate weather information into their existing data analytics process.

We seek an individual with the ability to serve as Assistant Director for Penn State's online professional education program in Weather and Climate Analytics. The successful applicant will be expected to provide program leadership and subject matter expertise, work with an instructional designer and other team members to create online course content, and teach classes in weather and climate analytics. Experience in statistical analysis and predictive modeling using weather and climate data sets is desired. A willingness to augment your existing knowledge with new case studies, approaches, etc., is a must. Although the successful applicant will influence specific course content and educational goals, expected course content will include topics such as applied statistics and time series analysis using meteorological data sets, predictive analytic techniques, and communicating weather and climate data analysis to decision-makers. Future offerings in the applicant's area of specialization or interest are anticipated and there may be opportunities to work with private and public sector partners on additional professional education projects. We are looking for someone who can work independently, as well as in a collaborative team-based environment. Excellent oral and written communication skills, as well as strong interpersonal skills, are essential. Familiarity with the "R" open-source statistical software is a plus. Previous educational experience is not required – instructional design support will be provided by the John A. Dutton e-Education Institute.

This position will be located at the University Park campus, within the John A. Dutton e-Education Institute, and will be appointed to the Department of Meteorology – a recognized leader in meteorology education throughout the world. Rank will be determined by the qualifications and experience of the successful applicant. Requirements include a minimum of a Master's degree in Meteorology, Environmental Science, or Business-related disciplines, with expertise in retrieving analytics data from environmental data sets. Preference will be given to applicants who can demonstrate a broad understanding of how weather analytics can be applied to various problems and applications.

Application review will begin immediately and continue until the position is filled. This is a one-year, fixed-term position with excellent possibility of re-funding.

Employment will require successful completion of background check(s) in accordance with University policies. Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce. Apply at <https://psu.jobs/job/58008>