



## **Tenure Track Faculty – Assistant Professor - Meteorology**

Plymouth State University's (PSU) Department of Atmospheric Science and Chemistry invites applications for a tenure track assistant professor to teach both at the undergraduate and graduate levels, conduct research in their specific areas of interest and advise graduate and undergraduate student research. A successful candidate will complement the existing faculty in the department by contributing their expertise in numerical weather prediction of weather or climate processes. Enthusiasm for teaching and conducting research with students is a priority. The department offers two degree programs: a B.S. in Meteorology and an M.S. in Applied Meteorology. This is a nine-month, tenure track appointment.

### **Duties and Responsibilities**

This individual will: 1) Teach courses throughout the meteorology curriculum such as upper-level courses in Mesoscale Meteorology and Numerical Weather Prediction, as well as courses for non-majors; 2) engage undergraduate and graduate students in research projects; 3) seek external funding to support research and outreach and 4) participate in outreach and professional service activities both within and outside the University.

**Minimum Qualifications:** Applicants must possess the following:

- PhD in meteorology, atmospheric science or related sciences. Degree completion expected by July 2013.
- Excellent communication skills.
- Research experience or potential.

### **Additional Desirable Qualifications:**

- College or university teaching experience in atmospheric or related sciences.
- Expertise in numerical weather prediction or other atmospheric simulations and their application to weather and climate processes.
- Previous research experience including successful acquisition of external funding and peer-reviewed journal publications.
- Ability to engage in multi-disciplinary scholarly activities both within and outside of atmospheric and related sciences.
- Familiarity with data analysis and meteorological visualization applications.
- Expertise or experience with using technology in the classroom and/or online courses.

**Application:** To receive full consideration for this position, candidates must apply online at <https://jobs.usnh.edu/applicants/Central?quickFind=52953>. Applicants should be prepared to upload the following documents when applying:

- A one page cover letter
- Curriculum Vitae
- Copies of graduate transcripts
- Statement of teaching philosophy
- Statement of research interests
- Summary of any recent and current grant/contract funding or publications
- Three (3) current letters of reference and reference contact information

**Note:** The copies of graduate transcripts and the three (3) current letters of recommendation may be sent under separate cover directly to Plymouth State University, Human Resources – MSC #14, 17 High Street, Plymouth, NH 03264 or via e-mail to [psu-hrjobs@plymouth.edu](mailto:psu-hrjobs@plymouth.edu).

**Application Deadline:** Review of applications will begin on Friday, November 9, 2012 and will continue until the position is filled or the search is otherwise closed at the University's discretion.

**Benefits & Salary:** Plymouth State University provides a competitive salary, commensurate with experience, and a comprehensive benefit program. All salary/benefits will be administered by PSU.

**Background Check:** The finalist for this position will be required to undergo a full background check. Any offer of employment will be contingent upon satisfactory results.

### **About the Meteorology Program**

The PSU meteorology program is part of the Department of Atmospheric Science and Chemistry. PSU's Bachelor of Science in Meteorology is unique in the state of New Hampshire. Our undergraduate meteorology degree meets all recommended American Meteorological Society guidelines for undergraduate degree programs and federal guidelines for entry-level meteorologists (National Weather Service) The Masters of Science in Applied Meteorology degree program is also unique and is focused on applied science coursework and research to support the entire weather enterprise community. Enrollments are typically ~75 undergraduate majors and ~15 graduate students. The home for these degree programs is the Judd Gregg Meteorology Institute (JGMI) on the top floor of the Boyd Science Center. The JGMI's role is to support and/or develop educational programs and research activities that relate to the atmosphere within the state of New Hampshire and beyond. Faculty members at PSU collaborate on research with a number of regional partners, including Mount Washington Observatory, NOAA/NWS (Gray, ME), U.S. Army Cold Region Research and Engineering Laboratory and the State of New Hampshire Department of Transportation. Faculty and students have access to numerous computational resources supported by a full-time departmental technology manager, including a 72 node server cluster running WRF, a web accessible data archive and map generation capabilities (<http://vortex.plymouth.edu>), and over 30 workstations featuring open source/commercial software packages such as GR2Analyst, Matlab, Gempak, and McIDAS. The program has a number of observational platforms, including a portable radiosonde system, a portable weather station, a FAA certified AWOS station at Plymouth airport and a Suomi-Net GPS water vapor sensor.

### **About Plymouth State University**

As a public regional university, Plymouth State University serves the state of New Hampshire and New England by providing well-educated graduates, offering ongoing opportunities for graduate education and professional development, and by extending to communities partnership opportunities for cultural enrichment and economic development. In each of these roles, Plymouth State University has a special commitment of service to the North Country and Lakes Region of New Hampshire. As a Carnegie Masters I University, Plymouth State confers a comprehensive range of bachelor's degrees as well as Master's degrees including a B.S. in Meteorology and an M.S. in Applied Meteorology.

### **The Region**

Plymouth State University, founded in 1871, is nestled between the White Mountains and the Lakes Region of New Hampshire. The 170 acre brick-and-ivy campus is picturesquely incorporated into the town of Plymouth, which is located about 2 hours north of Boston. The University enrolls 4,000 undergraduates and 1,000 graduate students in an active arts, entertainment, and sports campus community.

*Plymouth State University is committed to diversity amongst its faculty, staff and students (as applicable) and is an AA/EEO employer; women and minorities are encouraged to apply. Hiring is contingent upon eligibility to work in U.S.*