

## **Vacancy Announcement**

### **Director of the Mathematics and Science Teaching (MAST) Institute Winchester Distinguished Professorship**

University of Northern Colorado

The College of Natural and Health Sciences at the University of Northern Colorado (UNC) seeks a national leader in mathematics education or science education for the position of Director of the Mathematics and Science Teaching (MAST) Institute. The successful candidate will concurrently hold the Winchester Distinguished Professorship for a three-year period.

The University of Northern Colorado is a Doctoral/Research University enrolling 12,000+ undergraduate and graduate students. The University, founded in 1889, is located in the city of Greeley, which has a growing population of 80,000. Greeley is an hour north of Denver and about 30 miles east of the Rocky Mountains. Originally established as the State Normal School, the University has a long and distinguished history of educating educators and making fundamental contributions to research on teaching and learning.

The College of Natural and Health Sciences is one of five academic colleges at UNC and contains six Schools (Biological Sciences; Chemistry, Earth Sciences and Physics; Human Sciences; Mathematical Sciences; Nursing; and Sport and Exercise Science), as well as two institutes (the MAST Institute and Rocky Mountain Cancer Rehabilitation Institute). The College serves approximately 2,500 undergraduate and 500 master's and doctoral students. Many of the College's graduate programs are oriented toward education, and included among its Ph.D. programs are Biological Education, Chemical Education, and Educational Mathematics. Additional information about UNC, Greeley, and the College of Natural and Health Sciences is available at <http://www.unco.edu/> and <http://www.unco.edu/nhs/>.

#### The MAST Institute

With nearly 20 years of successful activity on the UNC campus, the MAST Institute is committed to equitable and systemic reform in the teaching and learning of science, mathematics, and technology at all levels. The Institute provides leadership and coordination for projects and programs to improve mathematics and science education within the University, state, region, and nation. Faculty from the Schools of Biological Sciences; Chemistry, Earth Sciences and Physics; and Mathematical Sciences, along with faculty from the College of Education and Behavioral Sciences, participate in Institute projects, working in collaboration with K-12 educators, faculty from other higher education institutions, and business/community representatives. The Institute is organized into four centers: the Center for Teaching and Learning, Center for Precollegiate Studies and Outreach, Technology Literacy Center, and Colorado Alliance for Science. Institute personnel are very active in securing extramural funding to support their scholarly and outreach projects; currently, the Institute is associated with grant awards totaling nearly \$4.5 million. Detailed information about the MAST Institute, its centers, and activities, is available at <http://mast.unco.edu/>.

### The Winchester Distinguished Professorship

Named for Albert M. Winchester, former UNC Professor of Biology and Genetics, the Winchester Distinguished Professorship was established for the purpose of recruitment of a distinguished faculty member. The professorship, which is for a fixed term, provides for salary enrichment of an existing faculty line. Eligibility requirements specific to the professorship are noted under Position Qualifications, below.

### Position Description

Reporting to the Dean of the College of Natural and Health Sciences, the Director of the MAST Institute is responsible for providing leadership for the Institute's activities. The Director's duties include acting as liaison for the MAST Institute to the Dean of Natural and Health Sciences, the faculty and staff of the College of Natural and Health Sciences and College of Education and Behavioral Sciences, other higher education institutions and professionals, and Colorado school systems. The Director supervises the staff of the Institute and coordinates the activities of an interdisciplinary faculty group from the sciences (Biological Sciences, Chemistry, Earth Sciences, and Physics), the School of Mathematical Sciences, and various UNC educational disciplines, all of whom are working to improve the quality of science and mathematics education in schools at all levels. The Director is expected to maintain scholarly activity and aggressively pursue grants and contracts in support of MAST Institute projects. As a member of the College's faculty, the Director is also expected to exhibit continuing engagement in teaching and service at a level appropriate to the Institute duties and participate as a faculty member appointed to one of the College's academic Schools. The position is a tenure-eligible, 9-month appointment. Summer support will be available from the College during the first summer of appointment.

### Position Qualifications

Required qualifications for this position include:

- An earned doctorate or other terminal degree from an accredited institution and in a discipline represented in the College of Natural and Health Sciences and appropriate to an appointment in one of the following Schools: Biological Sciences; Chemistry, Earth Sciences and Physics; or Mathematical Sciences.
- A distinguished record of professional achievement in mathematics or science education and in teaching, scholarship, and service sufficient to warrant appointment as an Associate Professor or Professor in one of the above-listed Schools of the College. Rank and tenure decisions will be consistent with the successful candidate's qualifications and policies of the relevant School.
- Significant experience in securing and administering grants and/or contracts.
- Experience and documented effectiveness in collaborating with K-12 school teachers and administrators and with higher education personnel regarding scholarly and outreach projects.
- Excellent communication and interpersonal skills.
- Demonstrated leadership and team-building skills.
- A commitment to shared governance and collaborative decision-making.

In addition, requirements for the Winchester Distinguished Professorship specify that the selected individual:

- will have previously distinguished himself or herself in the field of biological science or other science discipline (including the mathematical sciences) at another institution, and
- will be expected to make a significant contribution to the UNC instructional or research program.

It is anticipated that the instructional assignment will constitute 20% of the Director's academic year workload (one course per semester).

Preferred qualifications for this position include:

- Higher education administrative experience.
- Supervisory experience.

To assure full consideration, completed applications should be received by December 1, 2006; screening will continue until the position is filled. The preferred position starting date is July 1, 2007. A complete application consists of a letter addressing the qualifications cited above; a current *curriculum vitae*; and the names, addresses, and telephone numbers of at least three professional references. Applications, nominations, and inquiries should be sent to:

Dr. Jeff Farmer, Search Chair  
Search #99607, MAST Director  
Ross Hall 1210, Campus Box 123  
University of Northern Colorado  
Greeley, CO 80639  
Electronic mail: [jeff.farmer@unco.edu](mailto:jeff.farmer@unco.edu)  
Telephone: (970) 351-2891

This position is contingent on funding from the Colorado State Legislature, approval by the Board of Trustees, and subject to the policies and regulations of the University of Northern Colorado. The University of Northern Colorado is an AAEO employer and is committed to fostering diversity in its student body, faculty and staff. Satisfactory completion of a background check, educational check, and authorization to work in the United States is required after a conditional offer of employment has been made. Federal regulations require that the University retain all documents submitted by applicants. Materials will not be returned or copied for applicants. Salary is commensurate with qualifications and experience. Benefits include health, life, and dental insurance, as well as a selection of several defined contribution retirement programs. Other benefits may be available based on position.

The University of Northern Colorado is an equal opportunity/affirmative action institution that does not discriminate on the basis of race, color, national origin, sex, age, disability, creed, religion, sexual orientation, or veteran status. For more information or issues of equity or fairness or claims of discrimination contact the UNC AA/EEO/Title IX Officer at UNC Human Resource Services, Campus Box 54, Carter Hall 2002, Greeley, CO 80639 or call 970-351- 2718.

Qualified candidates should complete and submit the Faculty Voluntary Demographic and Acknowledgement form located at <http://www.unco.edu/hr/forms/HRS%20Forms/FacultyEmploymentAcknowledgement.pdf> or the Human Resource Services Office on the university's campus (Carter Hall Room 2002).