

College/Division

College of Liberal Arts and Sciences

Scope of Search

Open to Public

Grant Funded Position

This is a grant funded position. Continuation is contingent on future grant funding.

Posted Rate of Pay

\$56,000 - \$80,000/year; DOE

Duties and Responsibilities

The Mathematics & Statistics Department seeks a Research Professional for an NSF-funded research project. The duties include, but not limited to: working closely with researchers to collect and analyze qualitative and quantitative research data, writing reports to convey research findings and participating in the design of a new study to investigate the process of scaling research based professional development products. The analysis of qualitative data requires knowledge of the processes of learning fundamental ideas of secondary mathematics curriculum and university level precalculus mathematics. It also requires use of theory on learning the central topics of precalculus level mathematics to classroom and clinical interview data. The analysis of quantitative data will require knowledge of statistical software and procedures. Large data bases will be analyzed to detect pre- post-shifts in learning. The successful candidate will be expected to present research findings at national conferences. He/she will work closely with a team of faculty and graduate student researchers in a fast paced, scientific environment, where high standards are set for research and product development. The PI of the research lab promotes ethical, scientific and respectful communication among project team members.

DAYS AND SCHEDULE: Monday-Friday 8:00AM-5:00PM

Minimum Qualifications

Master's degree in mathematics or science or mathematics education or science education AND (2) years of research experience in mathematics education. At least 6 hours of coursework in statistics. Demonstration of strong verbal and written communication abilities.

Desired Qualifications

Demonstrated knowledge of pre-calculus and calculus curriculum as evidenced by background or courses. Experience teaching using conceptually based mathematics curriculum. Experience developing conceptually focused mathematics curriculum at a precalculus level. Experience collecting and analyzing formative data as part of

product testing and refinement process; Excel; a statistical software package; giving technical presentations; working in an environment with mathematics or science faculty and staff.

Department Statement/Gen Info

This Program Manager position will be working with a major research project - Project Pathways, an NSF-funded Math Science Partnership project. The project is funded to research and develop new approaches to improve high school and college mathematics learning and teaching. The project has created research-based professional development models and supporting consultative systems for mathematics instructors' improvement of their teaching and of their curriculum materials.

Background Check Statement

ASU conducts pre-employment screening for all positions which includes a criminal background check, verification of work history, academic credentials, licenses, and certifications.

Standard Statement

Arizona State University is a new model for American higher education, an unprecedented combination of academic excellence, entrepreneurial energy and broad access. This New American University is a single, unified institution comprising four differentiated campuses positively impacting the economic, social, cultural and environmental health of the communities it serves. Its research is inspired by real world application blurring the boundaries that traditionally separate academic disciplines. ASU serves more than 67,000 students in metropolitan Phoenix, Arizona, the nation's fifth largest city. ASU champions intellectual and cultural diversity, and welcomes students from all fifty states and more than one hundred nations across the globe.

Arizona State University is an Equal Opportunity/Affirmative Action employer.

Close Date

Deadline: The initial application deadline is April 13, 2009; if not filled, applications will be reviewed weekly thereafter until the search is closed.

Instructions to Apply

Application deadline is 11:59pm Arizona time on the day indicated.

Complete the required information and attach a single document, which includes: a cover letter, resume, and the names, addresses and phone numbers of three professional references. Resume should include all employment in month/year format (e.g., 6/88 to 8/94), job title, job duties and name of employer for each position. Resume should clearly illustrate how prior knowledge and experience meets the Minimum and Desired qualifications of this position.

Application materials: Applicants must submit a letter of application, a curriculum vitae, and the names and contact information for three professional references via e-mail to Ginger.Romaine@asu.edu.

REQUESTED MATERIAL MUST BE IN ONE ATTACHMENT.

Only electronic applications are accepted for this position.

ASU does not pay candidates for travel expenses associated with interviewing, unless otherwise indicated by the department at the time of call for interview.

Please send all documents to ginger.romaine@asu.edu.