



Title: Sr. Research Scientist, Psychometric Services

Req Number: 30637

Job Type: Regular Full Time

Location: Austin, TX

To apply for this position go to www.pearsoned.com/careers

Relocation Available: Yes

Pearson is an international media company with market-leading businesses in education, business information and consumer publishing. Pearson's education business represents about two-thirds of the company, and Penguin publishing and the Financial Times make up the balance. With more than 30,000 employees based in 60 countries, we are a family of businesses that draws on common assets, processes and shares a common purpose: to help our customers live and learn.

Pearson is an Equal Opportunity Employer M/F/V/D, and a member of E-Verify.

Pearson is a drug-free workplace.

The Assessment and Information Group of Pearson has a job opening for a Senior Research Scientist position. Pearson research scientists provide the full range of psychometric support to state and national customers, develop innovative techniques and processes, and conduct cutting-edge research studies.

The education, experience, and responsibilities associated with this position include:

Education and Work Experience

- ' Doctoral degree in educational measurement or a related field from a nationally recognized institution of higher education
- ' AND at least three years of relevant job experience, preferably with the complete range of psychometric issues that are faced with operational assessment programs or significant grant-funded research projects

Familiarity with Psychometric Techniques or Techniques Associated with Other Relevant Areas of Expertise

- ' Demonstrates the ability to effectively apply, design, and train others in solutions utilizing psychometric techniques including classical test theory, item response theory, test equating, scaling and linking, and standard setting to new and unique operational testing settings
- ' Assists in budgeting, coordinating of resources, and training

Familiarity with Software Packages and Programming Languages

- ' Applies software packages and programming languages commonly used in psychometric work or research, (e.g., SAS, SPSS, WINSTEPS, BILOG, MULTILOG, PARSCALE, C++, SPLUS, FORTRAN), to new and unique settings faced in operational testing programs or research projects

Scaling and Equating

- ' Demonstrates skill with common scaling and equating designs to review and create technical documentation, (including technical specifications)
- ' Conducts, guides, and designs analyses for item calibration, linking, and equating
- ' Designs, documents, (including technical specifications), conducts AND/OR coordinates the efforts of others, (including external verifiers), in item calibration, linking, and equating analyses

Grants, Research, and External Funding

- ' Designs research studies and research analysis specifications
- ' Identifies study limitations, study parameters, and funding requirements to complete proposed research
- ' Coordinates study resources, completes study documentation, and conducts formal reports for written or oral presentation as contractually obligated

Test Construction/Field Testing

- ' Organizes and coordinates with other research scientists, data analysts subject-matter experts, and/or the client all aspects of test form design and construction and field test item preparation and review

Proposal Development

- ' Coordinates technical designs for proposals
- ' Writes associated text
- ' Serves on proposal review teams as necessary
- ' Demonstrates familiarity with costing process

Knowledge of Educational Trends

- ' Identifies implications of relevant national and state trends in education for operational assessment programs or research projects and clients
- ' Proposes measurement plans and provides client advice based on these implications as appropriate

Communication Skills, Technical Presentations, and Client Contact

- ' Demonstrates communication skills, (oral, written, and business), necessary to function effectively in a leadership role with internal and external clients
- ' Communicates about and provides guidance in state and national educational issues
- ' Effectively tailors technical presentations to different audiences, (e.g., client groups or technical advisory committees)
- ' Provides guidance for similar presentations made by other research scientists
- ' Makes presentations at national conferences
- ' Submits manuscripts for publication
- ' May serve as the primary contact for Psychometrics and Research Services, (PRS), (e.g., represents PRS in meetings and other

communications), for internal and external clients for multiple testing programs or research projects, or for a single large and complex testing program or research project

Project and Talent Management

- ' Demonstrates project management skills necessary to lead and direct all PRS-related aspects of multiple assessment programs or research projects, or a single large and complex assessment program or research project
- ' Understands roles of different departments and how these impact PRS deliverables, schedules, costing, and scope
- ' Exhibits management skills necessary to provide costs, staffing input, and strategic plan information for specific projects to upper management
- ' Supports hiring process through applicant interviewing
- ' Provides career plan information

Organizational Behavior

- ' Aligns goals with department goals
- ' Provides advice for, creates, and documents new and existing processes

Working Location and Travel

- ' Requires working onsite in the Pearson facility in Austin, Texas
- ' Is willing to travel as necessary

Education and Work Experience

- ' Doctoral degree in educational measurement or a related field from a nationally recognized institution of higher education
- ' AND at least three years of relevant job experience, preferably with the complete range of psychometric issues that are faced with operational assessment programs or significant grant-funded research projects