

**Title:** Research Scientist, Psychometric Services

**Req Number:** 30312

**Job Type:** Regular Full Time

**Location:** Tulsa, OK

To apply for this position go to [www.pearsoned.com/careers](http://www.pearsoned.com/careers)

**Relocation available:** Yes

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**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.**

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#### **Scaling and Equating**

- Shows sufficient familiarity with common scaling and equating designs to review and draft technical documentation, (including technical specifications).
- Conducts and guides analyses for item calibration, linking, and equating.
- Designs, documents, (including technical specifications), and conducts analyses for item calibration, linking, and equating

#### **Grants, Research, and External Funding**

- Develops study design and research analysis specifications for proposed research studies.
- Identifies study limitations and study parameters to optimize analyses and design in grants/applications for external funding and in research publications.

#### **Test Construction/Field Testing**

- Works closely with other research scientists, data analysts, subject-matter experts, and/or clients/customers in the construction of test forms and the preparation of items for various testing purposes.

#### **Proposal Development**

- Contributes to technical designs of proposals.
- Writes associated text under guidance from more senior research scientists.

#### **Knowledge of Educational Trends**

- Articulates and uses knowledge of national and state trends in education in assigned operational assessment programs or research projects.

#### **Communication Skills, Technical Presentations, and Client Contact**

- Demonstrates communication skills, (oral, written, and business), necessary to function effectively as a primary contact with internal project teams and external clients with guidance from more senior research scientists.
- Communicates about general state and national educational issues.
- Presents technical information to different audiences, (e.g., client groups or technical advisory committees), with guidance from more senior research scientists.
- 'Presents at national conferences.
- 'Serves as the primary contact for Pearson Psychometric and Research Services, (PRS), (e.g., represents group in meetings and in other communications) for internal and external clients for a small-to-medium operational testing program or research project, or for a portion of a large and complex testing program or research project.

#### **Project and Talent Management**

- Demonstrates project management skills necessary to lead all PRS-related aspects of a small-to-medium operational assessment program or research project, or a portion of a large and complex assessment program or research project.
- Supports hiring process through applicant interviewing.
- Provides career plan consultation and advice.

#### **Organizational Behavior**

- Aligns goals with published department goals.
- Follows existing processes and documents processes when necessary.

#### **Working Location and Travel**

- Requires working onsite in the Pearson facility in Tulsa, Oklahoma.
- Willingness 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 one year of relevant job experience, preferably with a testing program that has gone through a complete operational cycle;
- OR at least one year of relevant job experience on a significant grant-funded research project.

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

- Has experience with applied psychometric techniques in a job setting including classical test theory, item response theory, test equating, scaling, linking, and standard setting;
- OR experience with applied techniques associated with the scientist's specific area of expertise.

#### **Familiarity with Software Packages and Programming Languages**

- Has experience with software packages and programming languages commonly used in psychometric work or measurement research (e.g., SAS, SPSS, WINSTEPS, BILOG, MULTILOG, PARSCALE, C++, SPLUS, FORTRAN);
- OR experience with software (Matlab, IDL, PERL, Java, Javascript, XML) associated with the scientist's specific area of expertise.