We seek an Research Professional for the Tempe Campus to perform research related duties for The Learning and Cognition Lab, directed by Prof. Michelene Chi. This is a lab that implements theories and phenomena developed by Dr. Chi, in either K-12 or college classrooms, and funded by various agencies. This is a full-time Research Professional (research scientist position) in which the research scientist is responsible for implementing the various projects undertaken by the Learning and Cognition Lab. This requires daily supervision and monitoring of the projects’ progress.

The ideal candidate will help manage the multiple projects that are being carried out in the Lab. This may include, but not be limited to, research design, data collection, analyses, interpretation, and dissemination. The successful candidate pays attention to detail, works independently and as part of a team, writes and uses technology effectively, and meets all job qualifications as commensurate with the duties and responsibilities of an Research Professional. This benefits eligible, fiscal year position with no tenure implications. This appointment is for 15 months and may be renewed contingent upon available funding and satisfactory performance.

**Essential Duties include:**

- Monitor, coordinate and manage the multiple projects that are being carried out in the Learning and Cognition Lab by working with other members of the projects, such as faculty, graduate students and undergraduate students.
- Run weekly lab meetings with other lab members to discuss progress, analyses, directions, etc. Work with and follow up with project members to establish goals and develop their accountabilities. Coordinate and generate meeting agendas based on the progress of projects before meetings, appropriately assign tasks to project members, set clear deadlines, discuss future directions of projects with members, seek inputs from members on how to improve projects, etc.
- Document all relevant materials and information relevant to projects.
- Understand the responsibilities of individual project members to ensure they understand their responsibilities.
- Oversee daily management of laboratory tasks to ensure timely completion.
- Contacting and talking to school administrators and teachers, recruit teacher participants, arrange schedules for data collection, etc.
- Supervise data collection in schools and colleges, such as videotaping.
- Support the P.I. in project supervision, including tasks such as writing quarterly and annual reports, preparation for talks, etc.
- Must be proactive in anticipating tasks, can accurately assess tasks completion requirements, etc.
- Read and understand the P.I.’s research, which is to translate the P.I.’s theories and findings into classroom contexts (both K-12 as well as college level).
- Learn the method of how to code qualitative data, developed by Dr. Chi, and assist as well as supervise undergraduate students in coding.
- Organize data, and present data using descriptive statistics and basic inferential stats (e.g. ANOVA, Chi-squared), graph data, etc.
• Can help design and implement professional development based on theories developed in the lab.
• Submit, revise, maintain and update IRBs for all lab projects.
• Supervise graduate and undergraduate assistants, enter their hours, provide evaluations, etc.
• Hiring and training undergraduate assistants.
• Scan journal articles online and read newly published research papers in the literature relevant to the lab projects, summarize and integrate key findings/methods. Can also organize meetings for lab members and the P.I. to read & discuss them.
• Using equipment such as cameras and other recording devices, etc.
• Know or learn the formatting of APA style.
• Keep track of equipment inventory.
• Update lab manual; supervise the updating of P.I.’s website.
• Purchase and receive orders: equipment, books, etc.
• Can submit conference papers, and present at conferences for practitioners.
• Help prepare manuscripts for publication by describing the methods and the results, along with interpretation of the results.
• Assist in grant writing, prepare data for analyses and interpret basic findings.
• Update various conferences information, such as submission deadlines.

**Minimum Qualifications:**

• Earned M.A. or M.S. degree from a regionally accredited institution in education, psychology or other science domains;
• Bachelors in a science domain.
• Experiences teaching K-16 schools in the U.S.
• Can plan, schedule, monitor, manage and report on all the project activities to the P.I. and lab members.
• Can write project reports.
• Knowledge of inferential statistics and experimental design.
• Familiar with basic instructional technology usage: Canvas, Blackboard, Microsoft PowerPoint, Adobe Captivate, Adobe Photoshop (or any other photo editing programs), iMovie (or any other video editing programs), Articulate Storyline, iSpring suite, Thinkific, etc.
• Familiar with recording devices, such as camera and audio recorders.
• Effective oral and written communication in English.
• Must be organized.
• Can commit to regular office hours at the Tempe campus.
• Facile with Excel and data organization, both digital and material.

**Desired Qualifications:**

• Ph.D. in education, psychology
• Experience managing research projects
• Knowledgeable about programming
• Familiarity with advanced statistical modeling (e.g. Mixed-effects models, Non-normal distributions, Item-response theory)
About the College and University
Arizona State University’s Mary Lou Fulton Teachers College creates knowledge, mobilizes people and takes action to improve education. Nationally recognized as a leading innovator in teacher education and scholarly research, Mary Lou Fulton Teachers College prepares over 1,500 educators annually through bachelor’s, master’s and doctoral degree programs. Working with a mindset of creative intrapreneurship to bring positive change within organizations, Mary Lou Fulton Teachers College brings people and ideas together to improve student outcomes. We seek to develop a renewable resourcefulness in individual educators, in schools, in school districts and in communities. In line with the charter and design principles of Arizona State University, Mary Lou Fulton Teachers College asserts the following four core values:

- Pursue excellence at scale to achieve impact
- Exercise leadership through innovation
- Champion diversity of people and ideas
- Share responsibility for the strength of communities

Arizona State University is Carnegie classified as a doctoral university of highest research activity, a respected research institution in the Pac-12 Conference, and is developing a new model of an American research university: one that measures its academic quality by the education its graduates receive; one at which researchers, while pursuing their scholarly interests, and also consider the public good; and one in which faculty expand the concept of community service by accepting major responsibility for the health, economic, and social development of their communities.

Application Deadline and Procedures:
The initial application deadline is May 15, 2019. Only electronic applications will be reviewed. In order for your application to be considered complete all of the following items must be uploaded via Interfolio: http://apply.interfolio.com/61911
1) cover letter which includes: a) the name of the position and rank for which you are applying, and b) a description of your fit to the position relative to the qualifications listed in this advertisement;
2) complete curriculum vitae; and 3) list of three references with complete contact information (mailing address, phone and email).

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

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity / Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. For a complete statement of ASU’s non-discrimination policy, refer to http://www.asu.edu/aad/manuals/acd/acd401.html and https://www.asu.edu/titleIX/.