**Internship Name:**
Research Fellowship with Phoenix Water Services: Landscape Change Analysis

**Company Name:**
City of Phoenix Water Services

**Company Location:**
200 West Washington Street
Phoenix, Arizona 85003

**Internship Description:**
Two undergraduate research fellowships are available for this project.

Fellows will develop original research projects related to landscape change. Using Trimble eCognition software and ArcGIS, classify Metro Phoenix Area landscapes using a defined water intensity rule set. Compile classified landscape data into JMP as a database. Fellows will create an eCognition file, shapefile, and translate to a database in JMP of water intensity classified landscapes for designated areas within Metro Phoenix.

This is an undergraduate research fellowship available for spring 2020. The selected fellow will develop an original research project based on these topics as they and their fellowship supervisor identify as relevant.

**Desired Qualifications:**

*Background in research and topics related to:*

Environmental Management, Natural Resources, Climate Change, Land Use, Urban Planning, Geography, Engineering, Economics

**Abilities**

- Manipulate data in ArcGIS, databases, and spreadsheets
- Analyze and summarize statistical information into a report
- Familiarity with remote sensing or satellite imagery and software

**Preferred Majors:**
Open to all majors.

**Compensation:**
There is a stipend associated with each fellowship in the amount of $4,500.

**Hours Per Week:**
The research fellow will work approximately 10 hours per week, actual hours to be determined by the fellowship supervisor and the fellow.
**Closing Date:**
December 4, 2019

**Application Instructions and Contact Info:**
To apply, please submit a cover letter and resume detailing your interest and experience.

Submit materials to:

Emily Grunspan, Education and Outreach Coordinator, Decision Center for a Desert City
Emily.Grunspan@asu.edu

The deadline to apply is December 4, 2019