The Faculty of Science and Mathematics in the College of Integrative Sciences and Arts on the Polytechnic Campus at Arizona State University invites applications for M.S. graduate research assistants for the 2021 Spring semester, with the ability to be extended for further academic years. Applicant(s) will work closely with a supervising faculty member to conduct quantitative research projects related to the sustainable production of horticultural crops in controlled environments such as vertical farms and greenhouses. The research will focus on investigating how environmental control in controlled environments influences the growth and development of a range of floriculture and vegetable crops. The ultimate goals of the research projects will be to develop production practices and technologies to advance the field of controlled environment agriculture and improve its effectiveness, productivity and economic and environmental sustainability. The research assistant positions are .50 FTE (20 hours/week) for the 2021 Spring semester. Research duties may be performed at the ASU Polytechnic Campus.

Essential Duties:
In close collaboration with the research supervisor, the Research Assistant will:

- Manage his/her research projects
- Conduct literature reviews
- Design and conduct greenhouse or vertical farm studies
- Grow and manage horticultural crops in the greenhouse or vertical farms for experiments
- Collect and statistically analyze data
- Present research findings at scientific conferences
- Publish in peer reviewed journals
- Perform additional duties as assigned

Required Qualifications:
- B.S. in horticulture science, plant science, biological sciences, applied biological sciences, engineering or related field
- GPA of 3.0 or higher
- Regularly admitted to graduate degree program in Applied Biological Sciences (College of Integrative Sciences and Arts) and the Graduate College
- Enrolled for at least 6 hours of graduate credit during each semester as Research Assistant
- Strong work ethic

Desired Qualifications:
- Research or/and work experience with horticultural crops in the greenhouses and vertical farms
- Knowledge and experience of major statistical software (e.g., R and SAS)
- Research presentation or publication history
- Research as an important professional goal

Application Procedure:
To apply, visit https://cisa.asu.edu/jobs and upload your application as one combined.pdf document under job number #PSMRA1. Only electronic submissions will be reviewed. Incomplete applications will not be considered. Applications must contain:

1. Cover letter
2. Statement of purpose (Please describe your qualifications and experience as it relates to the position, why you’re interested in this position, your research interests in the field of controlled environment agriculture, and how obtaining the position will benefit your professional goals)
3. Current resume/curriculum vitae
4. Information for three professional references (their position, title, e-mail, phone number)

The application deadline is 10/23/2020 at 5 pm; and if not filled, then every Friday thereafter until the search is closed. Only candidates selected to interview will be contacted. A background check is required prior to employment. For technical assistance with your application contact CISA HR, for position-related questions contact Yujin Park at yujin.park.2@asu.edu.

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. (See ASU’s complete non-discrimination statement at https://asu.edu/aad/manuals/aca/acc401.html; see ASU’s Title IX policy at https://www.asu.edu/titleix/)
General Information: Arizona State University is a comprehensive public research university named #1 in the United States for innovation for the fourth consecutive year, (https://asunow.asu.edu/20180909-asu-news-ranked-most-innovative-US-school-fourth-time) followed by #2 Georgia State and #3 MIT. We measure our success not by whom we exclude, but rather by whom we include and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities we serve. ASU’s College of Integrative Sciences and Arts is home to innovative teachers who are guided by educational access, student success, applied learning, and interdisciplinary inquiry. CISA has over 7,300 students in all levels of degree programs and over 200 faculty members. We understand there are many paths to achieving a university education, and we build undergraduate and graduate degree programs and pathways that are flexible and relevant for a rapidly changing world. To learn more about ASU and the College of Integrative Sciences and Arts go to: http://about.asu.edu/ and http://cisa.asu.edu.