Internships for Undergraduates in Sustainable Plant Systems and Plant Sciences Degree Programs 2017

University of Illinois Genomics:
University of Illinois offers an outreach program focused on genomics for candidates of Native American origins. If you qualify and this opportunity is of interest please visit the link below for more information. http://sing.igb.illinois.edu/

Biosphere2:
Biosphere 2 seeks graduate and undergraduate students to serve as full-time, immersive science mentors during two, one-week-long residential summer programs for middle and high school students. Applicants should enjoy spending time and interacting with young people (grades 7-12), have an interest in science and STEM education (but do not have to be science or education majors), be outgoing and well spoken, and have high energy. A stipend of up to $750 is available to selected applicants that successfully complete the Academy experience as an Outreach Scholar. For additional information, see: http://biosphere2.org/education/undergraduate-outreach-scholars

Cornell Summer Research Scholars:
Cornell University’s New York State Agricultural Experiment Station in Geneva, New York offers a Summer Research Scholars Program where undergraduate students can participate in exciting projects within one of four disciplines including Plant Pathology and Plant-Microbe Biology, Entomology, Food Science and Horticulture. The student interns will have the opportunity to work with faculty, their graduate students and post docs on research projects that can be laboratory or field-based. The internship is for 9 weeks beginning May through July, and provides a stipend of $4,500, housing, and assistance with transportation costs. Details may be found at: http://www.scholars.pppmb.cals.cornell.edu/

Monsanto, Greenhouse Agronomics and Plant Growth System Automation Interns:
Produce more. Conserve more. Improve lives. That’s Monsanto’s vision for a better world. Achieving this vision requires inspiration, innovation, and a passion for applying state-of-the-art technology to revolutionize agriculture. We are seeking an exceptionally talented student with these core qualities for a paid 3-month internship in our Protected Culture Optimization Team within the Plant Breeding Trait & Product Delivery Organization. The position will be based at our greenhouse sites in and around Tucson, Arizona. You qualify if you’re currently enrolled in a B.S. or M.S. degree program in a scientific field, including Biology, Agronomy, Horticulture, Controlled Environment Agriculture, Soil Science, or a related field.

Arizona Pistachio Nursery:
AZ Pistachio Nursery, LLC seeks support from undergraduate interns interested in fruit tree propagation and production. For more information contact: Bernie Groen, Manager 520-742-2241 – Phone 520-909-4537 – Cell azpistachionursery@earthlink.net or visit: www.RedPush.com

Disney Professional Internships:
Walt Disney World Orlando offers internships to students who have completed their undergraduate degree within the past 6 months. The internship is offered through the Agricultural Sciences team, part of Disney’s Animals, Science and Environment program. Interns work in Aquaculture, Biotechnology, Entomology and Plant Sciences. To apply go to: http://disneyinterns.com/science. Call or email us with any questions. Telephone: (407) 560-7256 Email: wdw.epcot.science.internship@disney.com
**US Golf Association:**
The USGA provides paid internship opportunities for students to experience agronomic and resource management programs actively managed through the USGA agronomic department.

**USDA Pathways Program:**
USDA offers an internships program is called Pathways. The Pathways program has its own website with information on the various opportunities available with USDA. That website is: https://www.usda.gov/our-agency/careers/usda-pathways-programs. Position openings in the Pathways Program are also posted on USA Jobs. https://www.usajobs.gov/

**Helena Chemical Co:**
Summer Agronomy Sales & Marketing Internship Program offers undergraduate students experience with agricultural research, marketing, and sales.

**Bio5 Marketing:**
Bio5 is a cutting-edge research collaboration based at the University of Arizona, working to solve global biological problems including disease, hunger, and environmental issues. The BIOS Ambassadors Internship is an unpaid, semester-long opportunity for undergraduate students. Students assist the Public Affairs Team of the BIOS Institute with marketing initiatives, event coordination, outreach efforts, and gain experience designing and executing projects. This internship hopes to provide a connection between science and business, while giving students the opportunity to personalize the internship to their own interests.

**Bio5 Outreach:**
Bio5 is a cutting-edge research collaboration based at the University of Arizona, working to solve global biological problems including disease, hunger, and environmental issues. The Bio5 Outreach Program offers internships for students who assist in our scientific outreach events work for our high school research internship program, KEYS Research Internship. More information at: http://keys.arizona.edu/keys-position.pdf

**Maggies Farm Arizona:**
Located just 12 miles west of Tucson, Maggie's Farm Arizona produces beautiful greens and oyster mushrooms using a combination of hydroponic green houses and traditional field work. Maggie's is proud to supply local farmers markets and restaurants with our produce. Maggie's Farm Arizona offers entry level positions and internships growing lettuce and herbs hydroponically using a deep water rafts. We also do hydroponic vining crops (tomato, peppers, cucumbers, eggplant).

**Biodiversity Project K-12:**
The Bio/Diversity Project is a University of Arizona internship program that is run through the Women in Science and Engineering program. It is designed to promote the entry and success of underrepresented groups in the environmental science fields. The internship provides outdoor educational opportunities for K-12 youth and will also offer targeted training and mentorship opportunities for university level students.

**Kennedy Space Center:**
The Controlled Environment Plant Research group at NASA’s Kennedy Space Center has three paid internship opportunities available for Undergraduate and Graduate Students for this upcoming Fall semester. Internships are in the area of “Plant Growth Research for Food Production”. To learn more and apply please visit: https://intern.nasa.gov/ossi/web/public/main/
**Smithsonian Gardens:**
The Smithsonian Gardens, a division of the Smithsonian Institution, is responsible for the "landscapes, interiorscapes, and horticulture-related collections and exhibits", which serve as an outdoor extension of the Smithsonian's museums and learning spaces in Washington, D.C. Established in 1972 as a groundskeeping and horticulture program, Smithsonian Gardens currently manages 180 acres of gardens on the National Mall, 64,000 square feet of greenhouse production space, and the Archives of American Gardens, a research collection of over 60,000 photographs and archival records covering American landscape history from the 1870s to the present. The Smithsonian Gardens provides an exceptionally well-rounded array of experiences in its intern program thanks to the wide diversity of services it offers to the Smithsonian, the world's largest museum complex. Interns will learn skills in a broad range of horticultural endeavors from SI's expert professional staff and can provide a strong practical background to emerging professionals hoping to enter the public gardening world. More information about the internship opportunities and how to apply can be found on our website at [http://www.gardens.si.edu/get-involved/internships.html](http://www.gardens.si.edu/get-involved/internships.html)

**Filoli Garden:**
Filoli is a magnificent 654-acre historic site owned by the National Trust for Historic Preservation and operated today as a cultural and horticultural center. Features of the 16-acre formal garden include lawn terraces, walled garden, woodland garden, rose garden, sunken garden, bowling green, cutting garden, fruit orchard, knot garden, vegetable garden, native plant garden and greenhouses. There are formal hedges and parterres, rare woody plant specimens, and a 54,000 sq. ft. residence, which houses several libraries and a collection of decorative arts. Over 500 acres of the site remain undeveloped, with pristine oak-madrone woodlands, redwood forests, chaparral and riparian plant communities. Student interns are provided with formalized training in practical horticulture, landscape preservation and public garden management. They rotate through the five garden areas and work under the direct supervision of a staff of 12 horticulturists, attend specialized workshops in water management, soil testing, plant identification, shear sharpening, hand tools, power equipment, pests and diseases, garden design and history, and scheduling. At the end of each program, students are tested on their knowledge in these subject areas.

**Green Valley Pecan Orchard:**
Green Valley Pecan (FICO) provides paid summer internships for students working in the pecan orchards in Sahuarita each summer. FICO is a family owned and operated company. It’s orchard in Sahuarita is the largest in the world (~5,000 acres). They are a fully integrated company and process and market all the pecans they produce (~10 million lb/yr). They cannot provide housing for the intern, but the drive from Tucson is only 30 minutes. Students gain experience with Integrated Pest Management, sample and data collection, and business management.

**US Department of Agriculture, CONSERV Program:**
CONSERVE is a project funded by the USDA National Institute of Food and Agriculture. CONSERVE (COordinating Nontraditional Sustainable water Use in Variable climatEs) is a Center of Excellence at the nexus of sustainable water reuse, food, and health, and a part of our project includes a summer internship program for undergraduate students studying agricultural and natural sciences, public health, engineering, economics, policy and law, spatial analysis, communications, and media production.

**ATTRA - National Sustainable Agriculture Assistance Program:**
Sustainable Farming Internships and Apprenticeships [https://attra.ncat.org/attra-pub/internships/](https://attra.ncat.org/attra-pub/internships/)
**Country Club of the Rockies:**
Turfgrass Student Internships, 3 and 6 month positions available at The Country Club of the Rockies, Vail, Colorado. The operation includes 18 holes, private membership, 7,300 course yardage, Penn A-4 greens, Penneagle II tees, Bentgrass/Poa annua fairways, Kentucky bluegrass near rough, native grasses in extreme rough, Toro Lynx irrigation system, PSI/Flowtronex VFD pump system, $1.4 million annual maintenance budget, summer staff of 30. Ranked # 82 in Golfweek’s Best Modern Golf Courses in 2016.

**Doris Duke Conservation Scholars:**
The Doris Duke Conservation Scholars Program (DDCSP) seeks UA students (especially freshmen and sophomores) who are interested in diversity and conservation. Students receive training, support, mentorship, and up to $10,000 over two years for paid research experiences and internships. They can be any major, but they must have at least 2 years left before graduation.

**Space Life Sciences Training Program:**
The Space Life Sciences Training Program (SLSTP) is seeking student applications for the 2017 summer program. The program June-August each year at NASA Ames Research Center. SLSTP provides undergraduate students entering their junior or senior years with professional experience in space life science disciplines. The primary goal of the program is to train the next generation of scientists and engineers, enabling NASA to meet future research and development challenges in the space life sciences. Please note that in addition to the research project, the SLSTP includes a group project, and some project based training. These are mandatory activities and are estimated to be ~20% of all SLSTP students’ effort. Students who are interested may apply through the SLSTPapp website. Prospective applicants must create a student account on the SLSTPapp website.

**UNESCO City of Gastronomy:**
The Southwest Center is currently seeking 5 undergraduate interns to help with research, outreach and event organization related to Tucson’s recent designation as a UNESCO City of Gastronomy. The internships will require approximately 5 hours per week over the Spring semester or summer session and are generally non-credit opportunities. A small stipend will be awarded to each intern.

**Helios Scholars Program:**
The Helios Scholars Program at TGen (Translational Genomics Institute) offers students a paid internship opportunity unmatched in the field of biomedical research under the guidance of mentors who redefine the summer experience. Openings are available in laboratory research, computer science and bioinformatics, mathematics and statistics, and research administration

**Eshraghi Nursery:**
Eshraghi Nursery is a grower of woody ornamentals, specializing in Japanese maples and grafted conifers. We produce both container and field grown material on 300 acres in Hillsboro, Oregon. We are now offering paid work experience from June to August for students studying agriculture, horticulture or related fields.

**Carlton Plants:**
Carlton Plants is a wholesale grower specializing in bareroot trees (shade, ornamental and fruit), ornamental shrubs, rootstocks and tissue culture.
Merchant’s Garden:
The Agricultural Research Internship Program is a hands-on learning experience during which interns work on aquaponics & hydroponics farm. This experience is an introduction to the various themes in Controlled Environmental Agriculture biological research, supply-chain management, and logistics management. Each week consists up to 20 hours (up to 40 hours in summer) of on farm work, research, and professional development. The intern is required to conduct a research project and present the findings to the company’s team members at the end of the internship.

Tucson Mission Gardens:
Mission Garden is a living agricultural museum of Sonoran Desert-adapted heritage fruit-trees, traditional local heirloom crops and edible native plants. We are a non-profit volunteer-based educational organization and our primary mission is to preserve, transmit and revive the region’s rich agricultural heritage by growing a series of garden plots that are representative of the more than 4000 years of continuous cultivation in the Tucson Basin.

Garden Club of America:
Garden Club of America (GCA) annual Award in Desert Studies  https://www.dbg.org/scholarships .This $4,000 annual award is in the form of a summer internship or research funding for advanced undergraduates as well as graduate students, to promote the study of horticulture, conservation and design in arid landscapes. The award’s purpose is to give students an opportunity to apply their course study knowledge in a public garden setting while working with garden professionals at a public garden of their choice.

University of Arizona Institute of the Environment:
See the Green Engagement Guide published by the Institute of Environment. The Green Engagement Guide is designed to be a one stop shop for an unlimited number of green and environmental related opportunities on and off campus. We have numerous listings such as internships, jobs, volunteer and research opportunities in addition to "green" degrees, courses, projects and much more! Opportunities are updated weekly as we aim for Green Guides to be the most up-to-date resource for students. More at: http://www.environment.arizona.edu/green-guides

Malena Produce, Tucson AZ:
If you are interested in research relating to selection of crop varieties with Malena Produce in Tucson, please consider contacting Peter Hayes regarding internship opportunities. Contact: Peter Hayes Office Phone: 520-281-1533 Mobile Phone: 831-970-9383 Email: phayes@malenaproduce.com

Big Island Farms:
Big Island Farms, Big Island Table Experience (BITE), and World Sacred Gardens would like to invite you to join our upcoming Hawaii internship programs, here on our organic permaculture farm. Located on the tropical Hamakua coast of Hawaii’s Big Island, five miles from the breathtaking Waipio Valley and historic Honokaa Town, Big Island Farms and Orchards began simply with a decade long effort to restore and revitalize the soil, flora and fauna of the land. Our team came together sharing a common vision of sustainability, community, and the desire to live off the land. We are searching for like-minded individuals who we can share our knowledge with and who can also leave their mark with us. Through our interdisciplinary education model, which incorporates classes, tangible hands on experience, field trips and guest speakers, students will actively pursue their passions, learn to broaden their world views, and work towards a more sustainable lifestyle. For program details, see: www.kawaiikalia.com