



Center for Renewable Energy
& Sustainability
at Johnson C. Smith University

Summer 2021 Sustainability Science Camp, 4 weeks: July 5 - August 1, 2021

Institution: Johnson C. Smith University
Location: Charlotte, NC,
Application Deadline: March 1, 2021
Stipend: \$2,500, plus room and board (in compliance with CDC COVID guidelines)

This is a call for undergraduate students to participate in a four-week summer enrichment program, funded by the National Science Foundation. The students should be African Americans (AA) who are rising juniors and seniors (according to classification for the Fall 2020 semester), who have already selected an academic trajectory in ecological or environmental STEM disciplines. The students will spend four weeks during the summer of 2021 working in the Center for Renewable Energy and Sustainability, with Dr. Mark A. Dugo, a research technician, a JCSU undergraduate researcher fellow, and our urban farm staff at JCSU's Sustainability Village. Students will participate in field and laboratory-based research activities within a watershed monitoring and framework. The research curriculum employs a place-based design to characterize watersheds at the basin level. This program emphasizes ecosystem services, which are the benefits to society that are afforded by our surrounding environment. Through this framework, socio-environment interrelations are explored while concurrently underscoring the importance of biodiversity and reinforcing cultural connections to the environment. Community engagement is considered through lenses of citizen science and reimagined concepts of stakeholder engagement that are culturally responsive to historical and contemporary layers of the African Diaspora's socio-environmental cultural heritage in the Southeastern United States.

Field and Lab Based Experiences:

- Urban farming in Charlotte, NC (hydroponics & aquaponics)
- Urban water quality monitoring

4 night experiential field trips to both:

- Highlands Biological Field Station
- Belle W. Baruch Institute for Marine & Coastal Science

Cultural Enrichment experiences:

- Exploring the Gullah Geechee Historical Corridor.
- Touring historical Charleston, SC

Eligibility requirements: African American (AA) undergraduates who are:

- rising sophomores who may be undecided in their major.
- juniors and seniors majoring in environmentally related STEM disciplines.
- 3.0 minimum GPA *preferred*



QR code

To Apply: Complete the online application, available [here](#) (or scan the QR code), and email Mark Dugo mdugo@jcsu.edu all required supporting material* by 11:59 pm. Eastern Time, March 1, 2021.

*Supporting material:

- Resume/CV;
- Official academic transcripts from all colleges/universities attended;
- Two letters of recommendation from academic faculty;
- One non-professional letter of recommendation.