

**Project Budget- Baltimore Social Environmental Collaborative (PI- Dr. James Hunter)**

**Job Title:** Graduate Research Assistant

**Department:** Physics (Climate Science Division)

**Report To:** Dr. Shamara Collins

Co-I - Dr. Richard Damoah

**Effective Date:** Immediately – 12/16/24

**Job Summary:**

Graduate students to support the Climate Science Division's research projects. Background in the area is not required but applicants interested in the environment, climate change, and renewable energy are encouraged. The student will gain exposure to Urban Integrated Field Studies, atmospheric dynamic measurements/modeling, and solar power technology.

**Supervisory Responsibilities:**

Wholistic student support which includes workload management, professional development, and effective communication strategies. Training in climate science basics with an engineering framework and understanding of research best practices. Provide transportation, as needed.

**Duties/Responsibilities:**

Student is to maintain field research equipment and perform data analysis.

- Assist weather station deployment and routine weather balloon launches.
- Use software to analyze collected data (ex. meteorological or solar panel performance).
- Create Application Programming Interfaces for the research projects.
- Participate in team meetings and contribute to problem-solving activities.

**Preferred Skill/Abilities:**

- Able to work across majors
- Organized and attentive to details
- Skilled in Microsoft Office Suite, Arduino coding languages, and AutoCAD Simulink, Pspice and related software

**Education and Experience:**

- Master's student in Electrical Eng., Computer Science, and Engineering Physics
- Relevant science and computer programming courses

**Physical Requirements:**

- Able to participate in outside environments (ex. gardens or urban farms)
- Must be able to lift at least 10 lbs

**Hiring Contract:**

- 20 hours a week, including community events
- \$20/hr



**APPLY NOW!**