



## **Chesapeake StREAM Internship Tributary Basin Summary Report**

The Chesapeake-Student Recruitment, Early Advisement, and Mentoring program ([C-StREAM](#)) is a collaboratively-funded effort that develops and trains a diverse population of future leaders in environmental research, restoration, and protection by engaging them over multiple years in mentored engagement experiences. The program focuses on recruiting these future leaders from populations who have been historically excluded from the environmental field and are currently under-represented in environmental research and management professions.

### **Project Description**

The Chesapeake Bay Program ([www.chesapeakebay.net](http://www.chesapeakebay.net)) and Chesapeake Research Consortium ([www.chesapeake.org](http://www.chesapeake.org)) seek a C-StREAM summer intern for late May through mid-August (12 weeks) to provide support to the Chesapeake Bay Program (CBP) Integrated Trends Analysis Team (ITAT) which aims to combine the efforts of the CBP analysts with those of investigators in governmental, academic, and non-profit organizations to identify potential research synergies and collaborations that will enhance our understanding of spatial and temporal patterns in water quality. This intern will develop a StoryMap template that can be updated concurrently with future Tributary Basin Summary reports, which will also help meet a previously identified CBP science need. The StoryMap(s) produced will serve as work samples for career advancement. Knowledge of Geographic Information Systems (GIS) software is preferred.

### **Opportunities**

This internship will provide a unique opportunity to contribute to large-scale, long-term natural resource management, and policy development critical to understanding new ways to improve Chesapeake Bay water quality and manage Chesapeake Bay living resources most effectively and efficiently across the 64,000 square mile watershed. The C-StREAM intern will gain experience in natural resource management, restoration science, and environmental policy. In addition, this internship experience will provide insights into careers in natural resource management, policy development, and science beyond those applied for and allows students to make connections with established environmental management and science professionals.

### **Responsibilities and Deliverables**

- Assisting ITAT in creating a dynamic, online version of a Tributary Basin Summary report.

- An initial analysis to better understand the relationship between predicted in-stream nutrient loads and social vulnerability index risk factors so results may be considered for the next iteration of Tributary Basin Summaries.
- Present project findings to workgroups within the CBP Partnership and develop informational materials to be shared with educators and stakeholder groups. The StoryMap(s) produced can serve as work samples for career advancement. Knowledge of ArcGIS or other GIS software is preferred.
- Presentation at the C-StREAM end-of-summer student symposium.

### **Requirements**

- Interest in environmental science, communication, GIS/mapping application, and/or community engagement.
- Basic GIS experience is desired.
- Motivated self-starter with the ability to work and reason independently.
- Must be a college-level student entering sophomore, junior, or senior year of undergraduate study. Students are also eligible to participate during the immediate summer following their graduation if they are pursuing graduate studies in the fall.
- Must be a U.S. Citizen and willing to undergo a security background check.

### **Work Location and Duration**

This position will be in person with options for remote work as needed. This in-person and virtual opportunity will be based out of the EPA’s Chesapeake Bay Program Office in Annapolis, Maryland. The internship is scheduled to begin on May 22, 2023, and end Friday, August 11, 2023. These are our preferred dates, but the dates can be adjusted to accommodate a student’s school schedule if required. We plan on providing interns with access to an EPA computer, email, and phone services if this internship is offered in person. If the internship is virtual, interns will need to have access to suitable internet, computer, and communication resources.

### **Compensation**

The intern will be reimbursed at the end of each month (June, July, and August), for a total of up to \$6,000 (\$500/week) for the equivalent of 12 weeks (480 hours) of full-time activities. Candidates should expect to follow a normal weekday work schedule (roughly 9-5, M-F) with occasional variations for possible fieldwork or other activities. No benefits are provided. We help in arranging local housing if the position is an in-person opportunity if desired. A one-time housing and transportation allowance of \$1,000 is available to each intern to assist with living and transportation expenses. Funds are also available to compensate interns for occasional work-related travel and professional development activities.

### **Diversity and Inclusion**

The Chesapeake Research Consortium and EPA Chesapeake Bay Program are committed to supporting a diverse and inclusive science-oriented workforce. Our internship program endeavors to recruit from a diverse, qualified group of potential applicants to secure a high-performing workforce drawn from all segments of American society. CRC and CBP are strongly supportive of broadening the participation of historically Black colleges and universities, Hispanic serving institutions, Tribal colleges and universities, and institutions that work in underserved areas. We highly encourage applications from students at any of the above institutions as well as students that identify as Black, Indigenous, person of color, or 1st generation college student.

### **Application Instructions**

Application instructions required materials, and the C-StREAM application portal can be found on the C-StREAM website (<http://chesapeake.org/c-stream/>).

**The deadline for applications is February 21, 2022.**