

About the CSTEP Summer Research Program

For students looking ahead to successful careers in STEM and the allied health professions, the Collegiate Science and Technology Entry Program (CSTEP) offers an intense comprehensive summer research program.

CSTEP identifies talented underrepresented students whose academic careers would be enriched by conducting research under the guidance of faculty at the University at Buffalo.

“I gained a wealth of knowledge about various ways to approach research and be more creative. I would strongly recommend the program to any student who is looking for the experience that will prepare them in advance.”

MILLICENT NWANKWO, SUMMER RESEARCH INTERN

CSTEP

Program Structure:

A rigorous eight week program conducted from the end of May to the end of July. In addition to conducting research, participants attend a research methods seminar, workshops, and fieldtrips. At the end of the program, students present their research to their peers and faculty during our capstone event—The Annual Research Poster Symposium.

Students and faculty interested in the CSTEP Summer Research Program should contact:

Shanna Crump-Owens, Director

Collegiate Science & Technology Entry Program
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SUMMER RESEARCH PROGRAM



A division of the Center for Academic Development Services (CADS)

Funded by the New York State Department of Education

COLLEGIATE SCIENCE & TECHNOLOGY ENTRY PROGRAM

<http://cads.buffalo.edu/CSTEP>

THE FUTURE BELONGS TO THOSE WHO PREPARE FOR IT.

Eligibility

To be eligible you must:

- Be a US citizen or permanent resident.
- Be an undergraduate pursuing a major leading to an allied health profession, or pursuing Science, Technology, Engineering or Mathematics (STEM).
- Have a minimum GPA of 2.80.
- Belong to underrepresented groups or have an economically disadvantaged background as defined by the NY State Department of Education.
- Be at least a sophomore with a minimum of two semesters of science coursework.

Benefits

- **Intensive Research Experience**
CSTEP students undertake an in-depth research project under the guidance of a faculty mentor.
- **Faculty Mentorship**
Form meaningful connections with faculty mentors that extend beyond their research experience.
- **Research Methods Seminar**
- **\$3,000 stipend**
- **Meal Allowance**
- **Fieldtrips**
- **Workshops**
- **Graduate School Preparation**
- **Community Service**
- **Foster community of future STEM and allied health professionals**

"Research is the means by which mankind has sought to explore the frontiers of scientific understanding and challenge the limits...By becoming an active participant in the enterprise of...research, you join a distinguished fellowship of scholars, scientists, and engineers who have shaped every aspect of modern life."

- CALVIN MACKIE, PH.D., ENGINEER

Purpose

Our program is designed to strengthen participants' research skills, and enhance the competitiveness of talented students pursuing STEM and the licensed allied health professions. Participants will be better equipped to gain admission into graduate programs, thereby, addressing the critical shortage of STEM and licensed allied health professionals.

Extracurricular Activities

Festivals/Events

- Buffalo Niagara Research Corridor
- Juneteenth Festival
- Allentown Arts Festival
- Brush Up Buffalo
- Tour of UB School of Pharmacy

Workshops

- ABC's of Graduate School
- Critical Thinking Skills
- Keys to Financial Success
- The Culture of Research and Research Ethics
- Technical Writing
- Effective PowerPoint and Poster Presentations

Program requirements

- Mandatory attendance to orientation, research seminar, workshops, fieldtrips and other events.
- Participation in oral and poster presentations.
- Complete all assignments given by the research mentor.
- Submit biweekly timesheets to the CSTEP Office.

How to apply

Submit the following materials:

- 1 A completed CSTEP Summer Research Program Application with a personal statement.
- 2 Two recommendation letters from faculty, staff and/or advisors.
- 3 An official college transcript.

How are students placed?

CSTEP works with students to identify faculty to serve as research mentors. Interns work a minimum of 20 –25 hours per week.

Did you know?

CSTEP is a recipient of the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring (PAESMEM). The National Science Foundation administers the award to individuals and organizations who demonstrate a commitment of excellence to mentoring underrepresented students and increasing the participation of minorities and women in Science, Technology, Engineering, and Mathematics (STEM).

