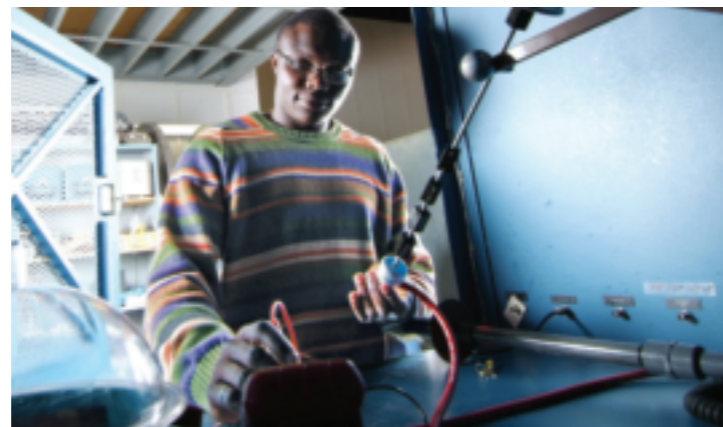


CSTEP

COLLEGIATE SCIENCE AND TECHNOLOGY ENTRY PROGRAM



CSTEP alumnus Shola Olabisi, PhD in electrical engineering

The future belongs to those who prepare for it.



Director's statement

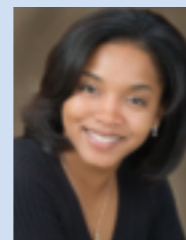
We believe that the future belongs to those who prepare for it, and we're here to help. CSTEP is a statewide program that helps talented underrepresented students pursuing careers in the licensed professions and the science, technology, engineering and mathematics (STEM) professions. Our program supports the holistic development of well-rounded individuals for professional careers, graduate education, and lifelong achievement.

We offer high impact resources—paid research and internships, tutoring, individualized academic/career advisement, graduate school preparation, conferences, workshops, mentoring, and scholarship opportunities that will empower you as you navigate through your college career.

Established in 1987, our enrollment averages 300 students each year. CSTEP has fostered exemplary achievements by preparing and supporting students, who are now doctors, engineers, pharmacists, lawyers, nurses, as well as other STEM and licensed professionals.

Our alumni are making major contributions in their professions and their communities—and many report that CSTEP played a key role in their success at UB and beyond.

Our staff is confident that combining your talent, determination, and academic work with participation in CSTEP will help you achieve your goals. I encourage you to take advantage of the resources, opportunities, and services offered by CSTEP. We'll help you academically and personally while making your UB experience more personal. You'll find the genuine support, guidance, and nurturing environment we provide to be invaluable!



Shanna Crump-Owens, MS
CSTEP Director

Program perks

FREE TUTORING

CSTEP students have access to the Academic Resource Center (ARC) lab which offers free tutoring in courses identified as consistent problem areas for students, including anatomy, biology, calculus, chemistry, pharmacology, physiology, physics, and engineering. We also provide group tutorial sessions for courses that involve large numbers of CSTEP students.

PAID RESEARCH INTERNSHIPS

We'll pay you to get experience! The CSTEP internship program provides an opportunity for you to gain career and research experience in your chosen field of study. Interns broaden their knowledge and gain insight into issues critical to their chosen field. Students complete research relevant to their career interests, which helps them make informed career and graduate school choices. Our interns work with faculty mentors from UB departments. Students intern for up to ten hours per week, for which they are awarded a stipend from CSTEP.

ARC COMPUTER/TUTORIAL LAB

The ARC computer lab is equipped with computers, and printers. And there will be other CSTEP students using the lab—people you know from our monthly meetings and activities—so you can help each other.

SUPPORT FROM CSTEP STAFF AND STUDENTS

We offer academic, career, and personal counseling that can help you overcome difficulties, find solutions, and establish priorities. Our staff will even help you with graduate school. Perhaps equally important is the support you'll get from (and give to) other CSTEP students. Attending our monthly meetings will prove to be invaluable, as you learn from others' experiences and get helpful advice. The CSTEP newsletter, Web site, and awards banquet recognizing the achievements of our students help build the camaraderie that our students have come to rely on.

ENRICHMENT ACTIVITIES

We will help you learn more about your chosen profession. Each semester, CSTEP invites professionals to speak to students and lead discussions on a variety of topics related to career development and work experiences. We also sponsor various trips and tours throughout the semester that help students learn more about what a particular profession entails, the work environment, and opportunities available.

Although our primary focus is your academic and professional development, we also organize other activities that develop well-rounded individuals—like attending a play, performance, or cultural event. We even cosponsor campus events for students.

FUNDING OPPORTUNITIES FOR CONFERENCES

We'll provide transportation or pay your travel expenses to selected academic, career, and graduate school conferences and enrichment programs that help build your leadership skills—and your résumé.

GRADUATE SCHOOL PREPARATION

We provide assistance with the graduate school admissions process. We award scholarships for the Kaplan review courses, which provide preparation for graduate school entrance exams, including the GRE, MCAT, LSAT, and PCAT exams.

Our Students



"The CSTEP program was a home away from home, providing the guidance, enrichment, and resources to succeed and excel at the University at Buffalo. I was helped tremendously by the program, and will always have fond memories."

Morris Green
MS, civil engineering



"I truly appreciate the supportive environment, sound advice, and resources provided by CSTEP staff. I very much attribute where I am in law school today to the assistance I received from the program and staff."

Tangier Harper
Psychology/ spanish/ law student
at George Washington University

Who's eligible

To be eligible for CSTEP you must be:

- ◆ A New York State resident
- ◆ Enrolled full time at UB and have a minimum GPA of 2.5. (You may apply to CSTEP at any time during your college career.)
- ◆ African-American, Latino/Hispanic American, Alaskan Native, Native American or economically disadvantaged as defined by New York State income guidelines
- ◆ Interested in a licensed profession or a career in science, technology, engineering, or mathematics (STEM), including those listed below

CSTEP CAREERS

Architect • Athletic Trainer • Audiologist • Biologist • Certified Public Accountant • Chemist • Chiropractor • Computer Scientist • Dentist • Dietitian • Engineer • Geologist • Interior Designer • Landscape Architect • Lawyer • Mathematician • Medical Physician • Midwife • Nurse Practitioner • Occupational Therapist • Occupational Therapy Assistant • Optometrist • Pharmacist • Physical Therapist • Physician's Assistant • Physicist • Podiatrist • Psychologist • Registered Nurse • Respiratory Therapist • Social Worker • Speech Language Pathologist • Veterinarian

Note: If the career you're interested in isn't listed, contact the CSTEP office to see if you qualify.

CSTEP is sponsored by the New York State Department of Education

What's involved

We have established some guidelines to help ensure that students participating in CSTEP get the maximum benefit from the program. Students accepted into CSTEP must:

- ◆ Maintain good academic standing (a minimum GPA of 2.5 is required)
- ◆ Meet with CSTEP staff twice each semester to monitor educational progress
- ◆ Attend monthly meetings to stay informed about beneficial CSTEP services and activities
- ◆ Attend at least two CSTEP workshops, events, or activities each semester

CSTEP research internship program

Paid research and internships are an integral part of CSTEP, which seeks to introduce undergraduate students to the culture of research and the rigors of graduate study. The CSTEP research internship program exposes selected students to research and career opportunities in their major. CSTEP works with students to identify faculty research mentors or internship supervisors. During the academic year, interns work for twelve weeks per semester under the guidance of a research mentor or internship supervisor. Students are assigned a research project, at the discretion of the supervisor. Students are awarded a fellowship stipend from CSTEP during their research/internship experience.



CSTEP students at commencement ceremony

CSTEP alumnus Folarin Erogbogbo, PhD candidate in chemical and biological engineering

Summer offering

SUMMER RESEARCH INTERNSHIP PROGRAM

The CSTEP Summer Research Program is an intense 8-week program designed to enhance the competitiveness of talented underrepresented students pursuing STEM and the allied health professions. The program strengthens participants' research skills and exposes them to the rigors of graduate study. Students are matched with faculty to conduct research for 30 hours per week. In addition to gaining research experience, students participate in a research methods course, seminars, and field trips. As a capstone, at the end of the program, students present their research to their peers, faculty and the University community during our Annual Research Symposium. The summer program takes place from the end of May through the middle of July. Applications are due in March of each year..

A history of academic excellence, a strong interest in research, and letters of recommendation will serve as selection criteria. A fellow stipend will be awarded.

Service Learning Opportunity

A cohort of 20 students is selected to engage in a semester-long structured service learning project, becoming a member of Community Health Educator (CHE). The goal of a CHE is to increase the number of minorities participating with the organ donor registry. This goal will be achieved by engaging students pursuing allied health majors in service learning, and training them to conduct educational workshops for UB students, and facilitating a campus-wide organ donor registry drive. Our partner for the CHE Service Learning Project is Upstate NYS Transplant Services (UNYTS).

How Do I Apply?

The application process is simple. For more information and to apply, contact:

Shanna Crump-Owens, Director
Collegiate Science and Technology Entry Program (CSTEP)
University at Buffalo
222 Norton Hall
Buffalo, NY 14260
(716) 645-2234

Visit our Web site:

<http://cpmc.buffalo.edu/cstep>

"CSTEP not only gave me the opportunity to explore various scientific disciplines by attending conferences and gaining hands-on research experience in the laboratory, but it also reinforced my decision to become a physician."

Joel Urena
Biochemical pharmacology/medicinal chemistry/UB medical school student

"CSTEP exposed me to many environments which helped me refine my goals. The staff was my new family. They provided me with opportunities that helped shape my life professionally, educationally, and socially. I am grateful for such endless support."

Mary Akuamoah-Boateng
Chemistry/pre-pharmacy

"CSTEP is an influential program that allows minority students to grow and be exposed to so many opportunities. CSTEP is willing to help you grow in your future professional aspirations."

Christine King
Nursing

"CSTEP helped me realize that success is a journey and not a destination. CSTEP catalyzed a passion and pride for my major by exposing me to professional conferences and smoothing out potholes on the path to becoming an industrial and systems engineer."

Jasmine Worthy
Industrial engineering

About Cora P. Maloney College

CSTEP, a student enrichment program of the Office of the Vice Provost and Dean of Undergraduate Education, is sponsored by a grant from the New York State Department of Education and is housed within Cora P. Maloney College (CPMC).

Established in 1976, Cora P. Maloney College is named after the first woman and African-American elected to the Buffalo Common Council. She was a strong advocate of educational equality and excellence, and community awareness. CPMC focuses on academic excellence, achievement, cultural awareness, civic engagement, and scholastic enrichment. CPMC offers elective courses and sponsors workshops, speakers, and events.