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 advancement, 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 in 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 pride to be reachable.

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 fields. 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. There will be other CSTEP students using the lab—people you knew from our monthly meetings and activities—so you can help each other.

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

Steve Cramp-Owens, MS CSTEP Director

I truly appreciate the support environment, second education, and resources provided by CSTEP staff; I carry much advice where I am low school today to the assistance I received from the program and staff.

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

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.

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

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 reviews professional journals 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 select 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.

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“Fear to forge the path, but not to cross the streams.”

Shamarr Cramp-Owens, MS
CSTEP Director

Martin Green
MS, civil engineering

Nigar Baker
Psychology/Biology major/ law student at George Washington University

“One of my favorite perks was the free tutoring. It was a great resource and really helped me with my classes.”

Shamarr Cramp-Owens, MS
CSTEP Director

“CSTEP was a home away from home, providing guidance, enrollment, and resources to succeed and excel at the University of Buffalo. It was helped tremendously by the program, and will always have fond memories.”

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Shamarr Cramp-Owens, MS
CSTEP Director
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 • Biologist • Certified Public Accountant • Chemist • Disruptor • 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 • Podiatrist • Psychologist • Registered Nurse • Respiratory Therapist • Occupational Therapy Assistant • Optometrist • Medical Physician • Midwife • Nurse Practitioner • Occupational Therapist • Social Worker • Speech Language Pathologist • Veterinarian

Who’s involved

We have established some guidelines to help ensure that stu-
dents 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 fac-
ulty 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.

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 Education (CHE). The goal of the 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 18 students, and facilitating a campus-wide organ donor registry drive. Our partner for the CHE Service Learning Project is Upstate NY Transplant Services (UNYTS).

INTERNSHIP PROGRAM

The internship 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. At the cap-
stone, at the end of the program, students present their research to their peers, faculty and the University community, and are offered an internship with a partner company. 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 $6,000 award will be awarded.

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 educa-
tional equality and excellence, and community awareness. CPMC focuses on academic excel-
ience, achievement, cultural awareness, civic engagement, and scholastic enrichment. CPMC offers elective courses and sponsors work-
shops, speakers, and events.

How Do I Apply?

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

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

Visit our Website: http://cpmc.buffalo.edu/cstep

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

Joel Swna
Bachelor of Science in Chemistry/Pre-medical student

“CSTEP exposed me to many environments which helped us refine our goals. The staff was my primary support. They provided me with opportunities that helped shape my life professionally, academically, and socially. I am grateful for such endless support.”

Mary Swann
Bachelor of Science in Chemistry

“CSTEP is an influential program that allows minority students to grow and be exposed to a real-world research setting. CSTEP helped me refine my decision to become a physician.”

Jasmine Worthy
Bachelor of Science in Psychology

“CSTEP helped me realize that success is a jour-
ney and not a destination. CSTEP taught me pride and how to be a leader. I am excited to attend professional conferences and making vast contributions in the medical and systems engineering.”

Javonne Hardy
Master of Science in Engineering

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