The future belongs to those who prepare for it.

Shanna Crump-Owens, MS
CSTEP Director

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 irreplaceable.

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, 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 knew from our monthly meetings and activities so you can help each other.

Our Students

The CSTEP program was a home away from home, providing guidance, enrichment, and resources needed and used at the University of Buffalo. I was helped tremendously by the program, and it has always been my goal to help others.

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Travis Harper
Psychology/ Spanish/ Law student at George Washington University

If I truly appreciate the supportive environment, sound advice, and resources provided by CSTEP staff, I may not achieve where I am in law school today if it were not for the assistance I received from the program and staff.

Morris Green
MS, civil engineering

Support from CSTEP Staff and Students

We offer academic, personal, and professional 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 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 sponsor 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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CSTEP CAREERS
Architect • Athletic Trainer • Biologist • Certified Public Accountant • Chemist • Computer Scientist • Dentist • Dentistry • Engineer • Geologist • Interior Designer • Landscape Architect • Lawyer • 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 • Spanish Language Pathologist • Veterinarian

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 • Computer Scientist • Dentist • Dentistry • Engineer • Geologist • Interior Designer • Landscape Architect • Lawyer • 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 • Spanish Language Pathologist • Veterinarian

CSTEP students at an event in Buffalo, N.Y. This was one of many events highlighting the success of CSTEP students in their respective fields.

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 rigor 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 18 students is selected to engage in a semester-
long structured service learning project, becoming a member of Community Health Education (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 pursing allied health majors in service learning, and training them to conduct educational workshops for all students, and facilitating a campus-wide organ donor registry drive. Our partner for the CHE Service Learning Project is Donated NYS Transplant Services (DNYS).

How Do I Apply?
The application process is simple. For more information and to apply, contact:
Shoshana Leving-Owens, Director
College of Science and Technology-Entry Program (CSTEP)
University at Buffalo
222 North Ferry
Buffalo, NY 14260
(716) 645-2234

Visit our Web site: http://cstep.buffalo.edu/cstep

CSTEP students at a campus-wide organ donor registry drive. Our partner for the CHE Service Learning Project is Donated NYS Transplant Services (DNYS).

From left to right: Joel Urena, Patricia Pate, Shanna Crump-Owens, Cora P. Maloney, and Joel Urena.

About
Cora P. Maloney College
CSTEP: a student enrollment 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-
ence, achievement, cultural awareness, civic engagement, and scholastic enrollment. CPMC offers elective courses and sponsors work-
shops, speakers, and events.