How to be an active CSTEPer

Collegiate Science and Technology Entry Program (CSTEP)
What is CSTEP?

Outreach program meant to encourage & prepare more underrepresented minorities and low income students for entry into scientific, technical, health, and health related professions, including many areas where licensure is required.

- Increase the number of these students who pursue professional licensure and careers in mathematics, science, technology and health-related fields
Who are we?

CSTEP STAFF

Directors

Dorys Johnson (Rm. 1429)
Dr. Christine Veloso (Rm. 1307)

Support Staff

Program Assistant:
Dr. Daniene Byrne (Rm. 1307)

Administrative Assistant:
Michelle Riley (Rm. 1430)

CSTEP/LSAMP Coordinator:
Risa Stein (Rm. 1307)
Qualities leading to Success in STEM

In addition to your academic training and skills...

- Critical Thinking
- Problem Solving
- “Grit”
- Passion
- Determination
- Communication Skills
- Team Work
- Leadership & Life Experience
- Life Goals
- Sense of Belonging/Support
- Networking
- Mentors

STEP/CSTEP offers ways to help their members obtain experiences & opportunities outside of the classroom to facilitate the development of these skills.
How does SBU CSTEP help?

Offer enrichment experiences through the exposure to the University’s rich academic resources.

SBU CSTEP Mantra- EDUCATE, EQUIP & EMPOWER:
- Providing students with the information, experiences and the skill sets needed to graduate and succeed in their chosen field/major in STEM or a licensed profession.

At SBU, STEP & CSTEP collaborate in a number of ways to help create a sense of community and support that provides enrichment opportunities for all!
What does SBU CSTEP offer?

- Advising & Support
- Academic & Personal Growth & Resources
- STEM Internships and Research Opps
- Internships to work with STEP students

Friendship & Community

Enrichment

Professional Development
CSTEP General Body Meetings

CSTEP OPENING GBM
Let’s celebrate the end of the first five weeks of classes this semester!
Friday, September 30th
2 PM - 4 PM
Bauman CO29
Food & Raffles!
RSVP HERE:  

CSTEP PRESENTS
Don’t Be Scared... It’s ONLY Failing
Learn how failure is only one step closer to success!

CSTEP ETIQUETTE DINNER
SAC 302
NOVEMBER 18th
3:00 PM - 5:00 PM
Practice how to present yourself professionally over dinner at conferences or other networking events!
RSVP HERE

CSTEP CLOSING CEREMONY
JOIN US IN CLOSING OUT THE FALL SEMESTER
DEVRIES CENTER
DECEMBER 2nd
4:00 PM - 6:00 PM
Food and drinks provided
RSVP -->

CSTEP PRESENTS
ELEVATE YOUR SPEAKING
3PM-5PM ON 02/17/2023
WHERE: SAC 306
LET’S CELEBRATE THE BEGINNING OF THE SEMESTER WITH FOOD & RAFFLES

CSTEP PRESENTS
FUNDAMENTALS OF LEADERSHIP
Stony Brook CSTEP & Speak From Within
invite you to the following public speaking workshop!

C-STEP General Body Meeting
F 4.7.23 - 1:30PM
In-person @ SAC 306
Hosted by Luddish Kim
BBC CSTEP Alumni & Founder of Speak From Within

C-STEP General Body Meeting
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CSTCSP awards
Gourmet Food
Lots of FUN!
Photo Booth / SnapSnap
Superlive awards
Digital yearbook
Semiformal Attire Recommended
2022 Fall Workshops

CSTEP Presents
TRANSFER SOCIAL
DIY DIAMOND PAINTING
- DIY diamond painted thank you cards
- Free snacks and CSTEP swag will be provided.
- November 15th at SAC 312
  5:30 PM - 6:30 PM

CSTEP Transfer Social
Motivational Bracelets
- Make your own motivational bracelet!
- October 13th, 2022
  5:30 - 6:30 PM
  SAC 312

FRESHMEN AND SOPHOMORE MIXER
Wednesday 9/21
4:25 - 5:45
- RSVP by 9/19
- Food Raffles
- Fun learning how to communicate and network

CSTEP Sophomore
Financial Literacy Event
- Join us Thursday, 10/13 1-2PM
  SAC 303
- Recent Opportunities
- Present day debt
- Budgeting
- Investing
- Assets vs. Liabilities
- Scholarships
- Quick Money
- Lesson debt

Make Diamond Thank You Cards for Friendsgiving!
- November 15th, SAC 312 @ 5:30 PM

*All Students are Welcome to Join!
**2023 Spring Workshops**

**INTRO TO MEDICAL EXPERIENCE**
LEARN MORE ABOUT HOW TO GAIN CLINICAL HOURS AND MEDICAL EXPERIENCE AS AN UNDERGRADUATE

APRIL 5TH, 2023
4PM-5PM
SAC RM 304

ENJOY FOOD, FUN, WHILE LEARNING ABOUT DIFFERENT OPPORTUNITIES IN STEM

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**Devise and Thrive Sophomore Workshop**
03/08/2023
3-4PM SAC 311

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**CSTEP PRESENTS**

**COURSE SCHEDULING/REGISTRATION WORKSHOP**
COME JOIN US FOR AN INSIGHTFUL EVENING OF REGISTRATION PREPARATION! THERE WILL BE SNACKS AND PRIZES!

WHEN & WHERE?
THURSDAY
MARCH 2, 2023
6PM - 7PM
SAC 311

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**CSTEP & SENIOR BBQ**
(JUST FOR SENIORS)
04.21.2023, 12-2PM
Check-in at the Old Comp Sci Lobby

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**CSTEP TRANSFER SOCIAL**
WOMEN'S HISTORY MONTH JEOPARDY

Join us and put your knowledge to the test as we play Jeopardy for Women’s History Month! All students are welcome & fun prizes for top competitors.

02 MARCH AT 3PM
SAC 312

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**CSTEP TRANSFER SOCIAL**
TOTE BAG DECORATING
DONUTS AND COOKIES WILL BE SERVED AND CSTEP SWAG FOR THE MOST CREATIVE PIECE!

23 FEBRUARY AT 3PM
SAC 312

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**CSTEP X HENDY RAS**

**DIVERSITY FASHION SHOW**

**CSTEP Transfer Social/CSTEP Club Presents**
Resume Building & Internship Workshop Featuring the Career Center

Come join us as we discuss how to advance our resume and apply for in-demand internships!
We will be serving empanadas and giving out CSTEP swag.
April 6, 3-4PM, SAC 312
RSVP Here to get a raffle entry!!
CSTEP Statewide Annual 29th Conference
Scholarships

Dr. David Ferguson Scholarship $1000
Established to honor the life and work of David L. Ferguson, former Department Chair and Distinguished Service Professor of the CEAS Department of Technology and Society for his dedication and leadership in STEM education, as well as his commitment to increasing diversity in STEM. Provides support for one year to a student who demonstrates financial need. Preference given to students involved in the STEM Smart Initiative, which includes programs like CSTEP, LSAMP, etc..

2021-2022 Kahlil Pollack-Hinds
2022-2023 Darla-Ena Boyer

Endowed Scholarship for Women in STEM $1500
Provides support for two years to an academically promising STEM female transfer student from a disadvantaged background who has faced challenging social, economic, educational, cultural or other life circumstances, and who would qualify for acceptance into CSTEP.

2021-2023 Adriana Saloman Campodonico
2022-2024 Kristen Lland
Special Enrichment Opportunities

- CSTEP Research Program
- SB Home Interpreter Internship
- CSTEP/LSAMP Mentor Program
- CSTEP/CentriSeed Internship
- CSTEP/BNL Winter Mini-Semester, Summer Internship

- Include New Students through a Peer Introduction to Research Experience (INSPIRE)
- Increasing Diversity in Undergraduate Cancer Biology Education and Research (INDUCER)
- Stony Brook Underrepresented Premed Scholars (SUPREMES)
- Explorations in STEM
Leadership Opportunities

For example...CSTEP Student Advisory Board
- Consists of 2-3 students per category below.
  ○ Academic Year: Freshman, Sophomores, Juniors, Seniors
  ○ Commuter Students
  ○ Transfer Students

- Paid position; Board Members help CSTEP develop and implement workshops, activities, etc. for the CSTEP membership

- Manage our social media and Blackboard pages to ensure our membership stays informed

- Applications open NOW!
Optional Freshman Courses

Stony Brook University Mandated Undergraduate College (UGC) 101’s

<table>
<thead>
<tr>
<th>Mondays</th>
<th>Wednesdays</th>
<th>Thursdays</th>
<th>Fridays</th>
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</table>
| **SJE 101.352**  
8-8:55 am  
(Union, Room 111-40)  
Kathleen Erhard  
(STEP Coordinator)  | **GWC 101.248**  
4-4:55 pm  
(Psy A, Rm 146)  
Dr. Veloso  
(CSTEP Director)  | **GWC 101.249**  
4-4:55 pm  
(Psy A, Rm 146)  
Dr. Veloso  
(CSTEP Director)  | **CTI 101.124**  
10-10:55 pm  
(Humanities, Rm 2047)  
Dr. Byrne  
(CSTEP Program Coordinator)  |

*IF you want to be added to any of the above and it is listed as closed/capped, etc., please email mariana.torres@stonybrook.edu
- Tell her you are part of CSTEP
- Tell her your SBU ID#
- Give her the course number/date/time info of the section you would like to be added to
CSTEP Freshman Summer Supplemental “Success 101” Course

EST 104.22 Projects/Technology Society
Tuesdays, 4-5:20 pm *SOLAR incorrectly lists time as 4-6:50 pm

(Computer Science Bldg, Room 1310)

*ALL new CSTEP Freshman are granted permission to register for this course but, if you get a message that you don’t have permission to register, please email Dr. Veloso (christine.veloso@stonybrook.edu) and she will get you the necessary permission.
CSTEP Club
The Social Arm of CSTEP

❖ Social Events that Foster Relationships and Build Community Among Students
❖ Driven by Collaboration
❖ Committed to Community Service

*For CSTEP and Non-CSTEP Students Alike*
Active CSTEPers also...

★ Follow us on Instagram and Facebook!
  ○ FB: Sbu Cstep; IG: @SBUCSTEP
  ■ Summer Instagram Challenge

★ Stay up to date through Brightspace, via email on
★ Join CSTEP club
★ Participate in special events like conferences and trips!
★ Visit Us

★ Participate in GBMs, Workshops, and be engaged!
SOCIETY OF WOMEN ENGINEERS

- A national non-profit organization active for more than 70 years, giving student and professional women engineers a voice in the engineering community

- **Mission:** to foster a community of women in STEM and encourage leadership and positive development in an engineering or STEM field

- Our members have the opportunity to
  - Develop professional skills through professional events.
  - Network with others in STEM through social events
  - Expand their technical skills through workshops

- **Today’s Activity:** Create your own battery!
What is SASE?

● A non-profit national organization dedicated to helping Asian heritage scientific and engineering professionals achieve their full potential and find a community of where people of pan Asian cultures can connect and support each other.

SASE’s mission:

● Prepare Asian heritage scientists and engineers for success in the global business world.

● Celebrate diversity on campuses and in the workplace.

● Provide opportunities for members to make contributions to their local communities.
Institute of Electrical and Electronics Engineers

- **What is IEEE?**
  - We are the Stony Brook Student Branch of IEEE, an international organization of professionals in the fields of electrical and computer engineering.
  - Our mission is to help our members with their academic work, technical skills, and professional growth during their time in college.

- **Today’s Activity: Night Light**
  - Learn basics of electric circuits and what an LED is, then make and decorate your own light up art to take home!
NSBE, founded in 1975, supports and promotes the aspirations of collegiate and pre-collegiate students and technical professionals in engineering and technology.

**Mission**: To increase the number of culturally responsible black engineers who excel academically, succeed professionally and positively impact the community.

**NSBE Membership Benefits**
- Technical Training and Networking Opportunities at conferences
- Leadership Development – Receive Exceptional Training at Regional conferences, the National Convention, and through our local chapter.
- Scholarships and grants available

**Today's Activity**: 3D Printed Easter Eggs

Make your own candy-filled Easter Eggs using 3D Printing Pens!
American Society of Civil Engineers

Also known as ASCE! ASCE at Stony Brook University is a chapter of the national ASCE organization.

We expose our members to the different paths they can take within the civil engineering field. We host professionals/alumni as guest speakers from different companies, visit construction sites, workshops, and social events.

Every year, we build a canoe made of concrete and compete in a concrete canoe race.

**Today’s Activity:** Popsicle Stick Truss Bridge
Stony Brook Robotics Team

- SBRT is a competitive, multidisciplinary, engineering design team
- **Mission**: Foster an interest in robotics, empower students to gain practical engineering experience, and develop a community at Stony Brook
- Throughout the year, SBRT
  - Works collectively on a competition robot and other smaller projects (mentorship, personal projects, etc.)
  - Organizes a university-wide competition where students work in teams to design a robot for prizes
  - Hosts technical and professional workshops to equip members with practical skills for the professional world

**Today’s Activity**: Minecraft Robots
Environmental Club

- **Environmental Club’s Mission**
  - To improve, protect, and conserve the environment on a local and global scale through activism, education, and appreciation.

- Environmental club holds weekly meetings as well as cleanups, volunteer events, and off campus trips.

- **Activity: Tragedy of the Commons ‘Fishing’!**
What is ColorStack?
- A nonprofit organization founded in 2020 that aims to help Black and Latinx students pursue computing related higher education, and to be successful in the industry.

ColorStack’s Mission
- To increase the entrance, retention, and success of Black, Latinx, and Native American college students pursuing computing.
Theta Tau is a co-ed professional engineering fraternity aiming to develop leaders for service, profession, and brotherhood.

The purpose of Theta Tau is to develop and maintain a high standard of professional interest among its members, and to unite them in a strong bond of fraternal fellowship.
SHPE’s mission is to change lives by empowering the Hispanic community to realize its fullest potential and to impact the world through STEM awareness, access, support, and development.

Everyone is welcome! Regardless of your background.
The Stony Brook Solar Racing Team is a competitive organization at Stony Brook University that competes with our solar powered boat annually in the Solar Splash competition in Ohio.

Our goals are to:
- Help members gain hands-on engineering experience in electrical, mechanical, and software fields.
- Improve our boat and performance every year
- Promote the usage of solar energy
The Week Ahead...

**Wednesday**
- 5-6 dinner
- 6-6:30 Staller Steps
- 6:30-7 Seating for 7 pm Stony Brook Film Festival Movie w/Mentors
- 7-9:30 pm
  - The Short
  - The Film

*Both will be included in a Jeopardy category for next week’s Community Building Jeopardy*

**Thursday**
- 5-6 pm grab your dinner then head up to SAC 305
- 6-7:30 pm The Amazing Race
- 7:30-8 pm Race End/Debrief @ Hendrix Lounge