



SHPE
Leading Hispanics in STEM

Cal
Poly

Society of Hispanic Professional Engineers
California Polytechnic State University, San Luis Obispo



Multicultural Engineering Program
San Luis Obispo, CA 93407-0206
Ph: (805) 756-1433
Fax: (805) 756-1434

www.shpe.calpoly.edu

Meet the President



Armando Diego Lopez

- B.S. Electrical Engineering
- 2019-2020 VP of Community Affairs
- 2018-2019 SHPE Jr. Committee Member

Objectives and Goals

- Maintain 100-150 members quarterly
- Increase participation in regional and national SHPE events
- Send 40+ members to the National Conference
- Collaborate with other engineering clubs on campus
- Increase the number of internships/co-op's from 40 to 50% of total membership
- Provide more networking opportunities between students and industry
- Have corporate speakers at 3 out of our 5 general meetings per quarter
- Provide two design competition opportunities
- Have more corporate participation in events such as Mock Interviews and professional workshops
- Provide a corporate facility tour each quarter
- Decrease the amount of students on academic probation (AP) from about 8% to 7%
- Increase the amount of volunteer hours by 25% for our outreach programs

May 7th, 2020

Dear Company Representative,

The Society of Hispanic Professional Engineers (SHPE) Student Chapter of California Polytechnic State University, San Luis Obispo is primed to once again begin a promising new year. Despite the new challenges awaiting our familia this coming year with the pandemic, I am certain that the skills and support system that our familia have created over the years will be very beneficial. Our familia, like many times before, will persevere.

For the 2020-2021 academic year, I will be entering my 4th and final year pursuing a Bachelor's Degree in Electrical Engineering with concentration interests in Power Electronics and Systems. I am excited and eager to serve as president of the chapter and to collaborate with my hardworking board to support our members and community at Cal Poly. SHPE has helped mold my character and confidence to be a valuable asset in any team by supporting my development in teamwork, leadership and communication skills. It has also allowed me to practice the "Lift as you Climb" motto by giving me many opportunities to support local under-represented communities. Most importantly SHPE has allowed me to connect with and be part of an amazing community that promotes our efforts to increase diversity and inclusivity within higher education and industry. Some of the goals our chapter would like to pursue include increasing the opportunities for members to connect with industry partners. We aim to achieve this by continuing to diversify the companies we work with in order to reflect our member's industrial interests. We would also like to continue supporting the latinx and minority communities on campus and in the surrounding area. This entails continuing our efforts to grow our involvement in community outreach, particularly within the Santa Maria community and the high schools we work closely with. This also includes continuing to promote the "Familia" aspect of the club, allowing members to grow meaningful connections within the club and the community, and aid them in growing themselves by encouraging events such as the SHPE National Convention and the Regional Leadership Development Conference. Our chapter aims to provide various opportunities and resources for all our members to benefit and grow from, striving not only for them to become better individuals and professionals, but to also create role models that promote STEM and higher education for aspiring future generations.

Sincerely,

Armando Diego Lopez

President
Society of Hispanic Professional Engineers
California Polytechnic State University, San Luis Obispo

calpolyshpe.prez@gmail.com

SHPE Cal Poly's History

The 5 Pillars of SHPE

- Academic Development
- Leadership Development
- Professional Development
- Community Outreach
- Chapter Development

Mission Statement

The California Polytechnic State University Student Chapter of the Society of Hispanic Professional Engineers exists to:

- Educate and develop the Hispanic community through academic excellence
- Provide a support system for academic, professional, and personal growth
- Increase the number of professional Hispanics through recruitment and retention, as well as being nationally recognized as an outstanding chapter

The Society of Hispanic Professional Engineers (SHPE) was founded in Los Angeles, California in 1974 by a group of engineers employed by the city of Los Angeles. Their goal was simple; they hoped to create an organization of professional engineers that would serve as positive role models for the rest of the Hispanic community. With networking as the key basis, SHPE quickly established two student chapters and has since then grown to encompass the entire nation along with other countries outside the US.

The Student Chapter of California Polytechnic State University, San Luis Obispo was established in 1978 as part of a commitment to the recruitment and retention of Hispanic engineering, science, and math students. Our founder and first president, Juan Garcia, established a firm foundation on our campus, and SHPE Cal Poly has grown to be nationally recognized as one of the best and largest chapters in the United States. Locally, we have become one of the most active organizations on campus and continue to have a positive impact on our community through volunteer work and outreach events/activities. Under the umbrella of the Multicultural Engineering Program (MEP), we honor ourselves in providing multiple resources for underrepresented students to assist in recruitment and retention, such as advising and tutoring services. In recent years, we have averaged about 150 members and anticipate the same amount this year.

SHPE Cal Poly is a non-profit organization that provides students the opportunity to become stronger scholars, better professionals, and overall better members of society. We focus on academic development, professional development, leadership development, community outreach, and chapter development.

Statement of Vision and Values

- SHPE is a leading technical organization whose primary function is to enhance the potential of Hispanics in engineering and science
- We value excellence in education, professional pursuits, and leadership
- We obtain excellence through integrity, empowerment, achievement, diversity, and continued improvement
- We are brought together by heritage, social responsibility, and the desire to improve the equality of all people through the use of science and technology



ACADEMIC DEVELOPMENT

Academics are a crucial component of the SHPE Cal Poly organization. It is important that our members perform well in the classroom before they can become qualified and well rounded professionals.



Study Groups

The Academics Officer forms SHPE study groups based on common coursework and major, ensuring groups meet consistently and productively. We award the study group that meets most often and shows academic improvement a certificate and academic gifts.

Scholarships for Academic Achievement

Scholarships allow us to reward our members for their academic achievements. We provide quarterly scholarships for active members who earn a minimum of 3.50 GPA (Dean's List). Company sponsors also often provide scholarships that are awarded based on their criteria. If your company is interested in providing a donation for a scholarship, please fill out the scholarship return form in page 12.

Scholarship Research

The Academics Officer researches and announces any scholarships for which our members may be eligible. There are many scholarships that go unclaimed because of the lack of qualified applicants. We promote these opportunities to our members through a Scholarship Database formed in 2015-2016.



Member Study Parties

We hold quarterly study parties at the library or another reserved room on campus in which members can get some snacks, help each other out, and study in a designated place.

Academic Support Workshops

We hold quarterly academic support workshops with topics ranging from mental health and well-being, best study practices, and student panels.

Textbook Drive

During the 2017-2018 academic year, the Academics Officer developed a textbook drive available to all SHPE members. This allows our members to be able to have free pdfs of their textbooks, thus allowing them to save financially.

PROFESSIONAL & LEADERSHIP DEVELOPMENT

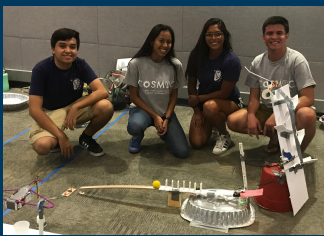
Our professional development program has been exceptional in recent years. We have an array of interactive workshops designed to help our members become more attractive to employers, prepare for the professional world, and help them choose the proper career



The National SHPE Convention

Since the National SHPE Convention is the largest Hispanic engineering career fair and technical conference in the United States, our chapter highly encourages its members to attend. This past year we were able to send 42 students thanks to company sponsorship. Many of the students received interviews and several received internships and full time positions from attending the conference.

SHPE Cal Poly SLO has won first place in the Design Competitions, won Academic Olympiad in 2014, and came in first place for social competitions such as dancing Bachata. Our chapter has consistently been well represented at the conferences. We intend to keep our participation numbers high for this year's conference in Phoenix, Arizona in November 2019 and continue to bring back additional awards from national caliber competitions.



Corporate Speakers

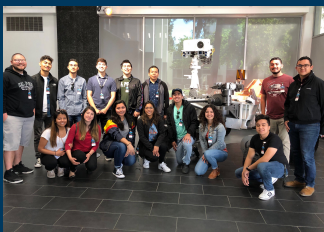
Throughout the year we invite representatives from different areas of industry to speak at our general meetings. Corporate speakers present upon leadership, academic, or professional skills that benefit current students, and tie in information about their company.

Design Competitions

Our goal for this year is to provide two design competitions in which our members have the opportunity to solve real world issues. Participants present their designs to industry members who announce the winners of the Design Competition Scholarship, sponsored by a company each year.

Workshops

SHPE Cal Poly puts together different professional development workshops to help our members prepare to be effective professionals and leaders. Our goal is to have at least 50% of our dedicated members obtain an internship or co-op in the coming year. We provide workshops that help our members understand self-presentation skills, how to create well written resumes, and mock interviews for practicing interviewing skills with qualified company representatives who have recruiting experience.



Corporate Tours

Corporate facility tours give our members the opportunity to visit different company facilities at a time when they are deciding which industry they would like to explore, exposing them to potential careers they may not have originally considered. This is also a great opportunity for companies to build their brand among future professionals who come away with a new appreciation for the company, its products or services, and its people. We hope to continue providing corporate tours for our members and have transportation costs paid for.

Leadership Conferences

The Regional Leadership Development Conference (RLDC), hosted by a university in our region, provides leadership / professional development workshops as well as opportunities to network with professionals and other chapters in the region. This past April 2019 our chapter was awarded the Blue Chip Award which is a recognition for an outstanding chapter and a distinction for a chapter that exemplifies the SHPE mission. We were recognized for having the most volunteer hours in the Fall quarter (1895 volunteer hours) and for setting up programs and opportunities to recruit, retain, and support students with their post-graduation success.

COMMUNITY OUTREACH

For many of the SHPE Cal Poly students, community outreach is what they enjoy the most about participating in SHPE. Many of our members are first generation college students who understand the difficulties of going through school without the necessary support behind them. Therefore, we have made it our obligation to serve our local community as positive role models for the local K-12 students and give back through the power of example, leadership, knowledge, and education.



Tutoring

Our members volunteer one to two hours per week to tutor at Laguna Middle School and San Luis Obispo High School. In several instances, teachers have indicated that our tutoring efforts have made the difference between an entire letter grade for the students. Tutoring has created relationships that have been rewarding to both the students and our members. Furthermore, we have had members participate at an elementary school as mentors for their Code Club which teaches young students the basics of computer programming.

Learn by Doing Workshops

Our chapter is well known for hosting hands-on workshops for students in elementary, middle, and high school to introduce them to engineering. The hands on activities include gum drop bridge building and design, LEGO team building and communication activity, paper and straw sailboat design among other.

SHPE Jr. Chapters

We established our first SHPE Jr chapter at Pioneer Valley High School in Santa Maria during the 2013-2014 school year and another one in Santa Maria High School in the 2017-2018 school year. Our members are able to act as mentors to the high school students, share their insights of how they were able to prepare for college, and encourage them to pursue careers in the STEM fields through insightful presentations and engaging engineering activities. We host an annual Cal Poly tour for our Jr members in the spring where they visit Cal Poly engineering labs and facilities followed by two interactive engineering workshops led by the SHPE Jr Committee members. Additionally, we host a Noche De Ciencias event at the schools to educate parents and students on the value of a college education and how to achieve it.

College Preparation Workshops

In October, our chapter travels to high schools in the central coast and puts together presentations for high school seniors and their parents regarding student's options in the private, UC, CSU, and community college systems. We assist parents and students by informing them of important deadlines and requirements for financial aid and college applications.

In February, we offer workshops for high school seniors and their parents to inform them of the Free Application for Federal Student Aid (FAFSA), Cal Grants, and scholarships. These workshops are our effort to make it clear to parents and high school students that money should not be an issue when pursuing a college education.



GENERAL ACTIVITIES

Our chapter organizes and participates in several different events in order to recruit and retain more members. The overall goal of these events, is to create a sense of "familia" within our chapter.



MentorSHPE Program

The 2015-2016 Executive Board created the MentorSHPE Program which is an interactive, personal, and effective way to ensure the success of individuals seeking to grow in their education, careers, and personal life. In collaboration with the Multicultural Engineering Program (MEP), Mentors can receive training to guide younger students to become familiar with our campus, aid them in planning a tentative schedule of courses for each quarter, and provide advice to gain skills, perspective, and experience to be successful.

Open House

Cal Poly's annual Open House event is our opportunity to meet incoming freshmen and transfer students who may be interested in becoming SHPE members. Through this event we are given the opportunity to raise money by selling food and drinks, and advertise our club, our sponsors, and design projects. It has become a tradition to sell our famous bacon-wrapped hot dogs, which tend to sell out quickly.



PolyCultural Weekend

In efforts to recruit new members, our chapter participates in the student-organized PolyCultural Weekend (PCW). During PCW, our chapter hosts newly admitted transfer and freshmen students and show them the life of a college student at Cal Poly, in a weekend were all the cultural organizations at Cal Poly participates. In recent years, SHPE has been one of the largest participants at PCW.



Social Events

Keeping a close-knit relationship amongst all our members is a challenge because of our club's size, but SHPE Cal Poly regularly hosts social events so our members have the opportunity to socialize outside of school and continue to build friendships. We strive to maintain 'La Familia' (The Family) because this enables SHPE Cal Poly to be more productive as we all strive to reach our goals.

Awards and Initiation Banquet

At the end of the year, SHPE Cal Poly invites its members, corporate partners, alumni, and distinguished Cal Poly professors and advisors to attend the end-of-year banquet. The banquet is put together to celebrate our accomplishments for the year, give out awards, honor graduating seniors, thank our corporate sponsors, and introduce the new SHPE Cal Poly executive board for the following year.



FAMILIA

Incentives

The following are our sponsorship levels for both monetary and non-monetary contributions and their corresponding incentives. Our 2019-2020 Budget Forecast on the next page details the contributions necessary to ensure that we implement and execute all of our goals. We thank you in advance for joining us in our mission to help the Hispanic community excel in STEM career fields.

Non-Monetary Involvement:

- Present at a general meeting
- Host a workshop on:
 - Company / Projects
 - Leadership
 - Career Advice
 - Soft/ Interpersonal Skills
 - Salary Negotiation
 - Personal Branding/ LinkedIn
 - Other
- Participate with chapter at outreach events
- Receive membership resumes
- Lead a tour of company facility
- Participate in Mock Interviews
- Judge design competitions
- Attend chapter events

2020-2021 SHPE Cal Poly Sponsorship Information: Monetary Sponsorships

Platinum Sponsorship – \$3,000

- Plaque indicating Platinum Sponsor Recognition
- Guaranteed Guest Speaker at a General Meeting
- Gold Package Included

Gold Sponsorship – \$2,500

- Plaque indicating Gold Sponsor Recognition
- Reserved space of company table at our 2017-2018 Annual Banquet in May
- Silver Package Included

Silver Sponsorship – \$2,000

- Certificate indicating Silver Sponsor Recognition
- Reserved company workshop/information session
- Bronze Package Included

Bronze Sponsorship – \$1,500

- Certificate indicating Bronze Sponsor Recognition
- Recognition at annual banquet
- Exhibitor Package Included

Exhibitor Sponsorship – \$1000 & below

- Certificate indicating Exhibitor Sponsor Recognition
- Recognition on our Chapter's Website
- If your company would like the sponsorship money to be used for a specific purpose, you can state so in the memo of the check or by attaching a memo with the check.

Special Notice in Regard to COVID-19

We appreciate your support over the past years. Considering that some events listed on the forecasted budget for this academic year may not occur due to COVID-19, any funds not used will be used to support other club activities and member support.



Cal Poly SHPE 2020-2021 Budget Forecast

Academic Development

Activity	Summary	Amount
Academic Development	Supplies and services for 4 academic workshops	\$500
Member Study Hours	Coffee and snacks for members during finals	\$500
Dean's List Awards	45 \$50 Quarter scholarships for students with a minimum 3.50 GPA	\$2,250
SHPE Jr. Scholarship	Two \$250 Scholarships to graduating SHPE Jr. members	\$500
Academic Development Total		\$3,750

Professional / Leadership Development

Activity	Summary	Amount
National Conference	Registration for 50 members for SHPE National Conference in Denver, Colorado 2020	\$17,000
Regional Leadership Development Convention	Registration and transportation for 10 members to attend RLDC	\$2,000
National Institute for Leadership Advancement	Registration for Chapter President to attend presidential leadership conference	\$400
Design Competitions	\$100 stipends for 4 team winners for two competitions	\$800
Corporate Tours	Transportation for 5 corporate tours	\$500
Networking, Mock Interviews, Resumes	Food, refreshments, and supplies for networking events, resume workshops, and mock interviews	\$400
Professional / Leadership Development Total		\$21,100

Community Outreach

Activity	Summary	Amount
Outreach Events	Supplies for providing engineering outreach activities to elementary, middle school, and high school students in Central Coast	\$500
Outreach Giveaways	Giveaways for participants in our tutoring and engineering presentations/events	\$200
Cal Poly Tours	Transportation costs for 40 SHPE Jr. chapter members to attend our annual Cal Poly tour	\$500
Solar Installation	Funding for driver reimbursement for annual Solar Panel Installation	\$200
Community Outreach Total		\$1,400

General / Activities

Activity	Summary	Amount
End of the Year Banquet	Acquiring banquet location, dinner costs, award costs, and decorations	\$7,000
MentorSHPE Program	Funding for implementation of MentorSHPE Program	\$150
Open House	Supplies for fundraising event	\$250
SHPE Intramural Sports	Registration costs for SHPE intramural teams	\$600
Social Events	Supplies for bonfires, bowling nights, and other chapter development activities	\$1,000
Food for Bi-Weekly Meetings	Food and supplies for participating members each meeting	\$2,500
SHPE Office Supplies	Office Supplies needed throughout the year	\$250
Officer Shirts	17 dress shirts and name tags for officers	\$1,000
Club Shirts	200 shirts for our members at \$10/shirt	\$2,000
General Events/Activities Total		\$14,750
Total Estimated Budget for 2020-2021 Academic Year		\$41,000

Thank You to All of Our Sponsors!



Society of Hispanic Professional Engineers

California Polytechnic State University

1 Grand Avenue, Building 40 Room 117
San Luis Obispo, CA 93407-0206



SHPE

Leading Hispanics in STEM

Cal
Poly

Society of Hispanic Professional Engineers

California Polytechnic State University, San Luis Obispo

Scholarship Form

If your company would like to make a donation specifically to be given out as a scholarship, please fill out the form below. We greatly appreciate you supporting our students!

Please fill out or email the following information to:

ATTN: SHPE

1 Grand Avenue, Building 40 Room 117

San Luis Obispo, CA 93407-0206

If you have any questions or concerns, please do not hesitate to contact us at:

President: Armando Diego Lopez
Email: calpolyshpe.prez@gmail.com
Phone: (619) 484-2245

Vice President: Hector Delgado Marquez
Email: calpolyshpe.vp@gmail.com
Phone: (559) 656-3488

Name: _____ Company/Office: _____

Address: _____

Phone: _____ Email: _____

Individual Scholarship Amount: \$ _____ Number of Scholarships: _____ Total Donation: \$ _____

Scholarship Requirements

___ Major, if checked, please select from below.

- | | | |
|-----------------------|-----------------------|-----------------------|
| ___ Aerospace Eng | ___ Computer Science | ___ Mathematics |
| ___ Agricultural Eng | ___ Construction Mgmt | ___ Materials Eng |
| ___ Architectural Eng | ___ Electrical Eng | ___ Mechanical Eng |
| ___ Biomedical Eng | ___ Environmental Eng | ___ Manufacturing Eng |
| ___ Civil Eng | ___ General Eng | ___ Physics |
| ___ Chemistry | ___ Industrial Eng | ___ Software Eng |
| ___ Computer Eng | ___ Industrial Tech | ___ Other: _____ |

___ Minimum GPA (unofficial transcript)
Major GPA _____
Cumulative GPA _____

___ Leadership Experience

___ Current Resume with Work Experience

___ Letters of Recommendation

___ Numbers of letters required _____

___ Volunteer and Extracurricular List

___ Other requirements _____

Feel free to visit our website for our upcoming events at <http://www.shpe.calpoly.edu>

Thank you for your time and support!



SHPE

Leading Hispanics in STEM

Cal
Poly

Society of Hispanic Professional Engineers

California Polytechnic State University, San Luis Obispo

Return Form

After reading through the SHPE 2020-2021 proposal, we kindly ask that you return the following questionnaire.

We greatly appreciate your consideration of our proposal.

Please return this form to:

ATTN: SHPE

1 Grand Avenue, Building 40 Room 117

San Luis Obispo, CA 93407-0206

If you have any questions or concerns, please do not hesitate to contact us at:

President: Armando Diego Lopez

Email: calpolyshpe.prez@gmail.com

Phone: (619) 484-2245

Vice President:

Hector Delgado Marquez

Email:

calpolyshpe.vp@gmail.com

Phone:

(559) 656-3488

Name: _____ Company/Office: _____

Address: _____

Phone: _____ Email: _____

We would like to assist SHPE Cal Poly in the following way(s):

Sponsor the chapter

Platinum Gold Silver Bronze Exhibitor: \$ _____

We would like to volunteer our time in the following ways:

Speak at a general meeting

Participate in Mock Interviews

Assist in an academic/professional workshop

Participate as a judge for a design competition

Invite students for a tour of our company/facility

Attend an outreach event

We are not able to provide resources at this time, but would like to receive information in the future

Other: _____

Feel free to visit our website for our upcoming events at <http://www.shpe.calpoly.edu>

Thank you for your time and support!

