

**PI TAU SIGMA OUTSTANDING AWARDS**  
**Cal Poly San Luis Obispo Phi Psi**  
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**INITIATIONS**

The Cal Poly San Luis Obispo Phi Psi Chapter held two initiations which added 20 new members to the chapter. Upon pledging, new initiates to Pi Tau Sigma were required to complete 10 hours of community service and/or machine shop time and were asked to design and assemble their PTS bent. Our chapter requires members to design and build their own plaque for the bent from given dimensions. We have found that the level of effort and creativity shown by initiates to build their bent has increased significantly over the past two years as a result of allowing members to create their own plaque. At our initiation banquet we award prizes (Home Depot gift cards) to the top few bent designs as determined by the current officers.

Next year, we will organize an event to have initiates cast their own keys as well (metal casting lab is taken by the majority of MEs at Cal Poly) so that the entire bent is designed and built by each new member. We think this change aligns well with Cal Poly's "Learn by Doing" approach to education.

**CHAPTER ACTIVITIES**

**Information Session** – Our chapter hosted representatives from Lawrence Livermore National Laboratories to speak about the National Ignition Facility where cutting-edge laser research is performed.

**Hands-On Workshop** – Cal Poly Phi Psi held a Fusion 360 CAD workshop presented by Autodesk.

**Company Tour** – For the first time in recent memory, our chapter organized a company tour. Cal Poly members visited Daniels Woodland, a local theming and design company which specializes in creating custom work ranging from elaborate tree houses, to sporting goods store shooting galleries, to Hollywood/Disney movie props and theme park sets. This company was the star of an Animal Planet show called Redwood Kings.

**Tutoring** – Cal Poly Phi Psi began a partnership with the local high school in San Luis Obispo to offer weekly math and science tutoring to its students. Our chapter started tutoring one to two times per quarter, but next year we aim to increase that participation to once a week for each of the ten weeks of the quarter. Tutoring was typically organized for an hour and a half. A few larger "study-a-thon" tutoring sessions were also attended for students the week before their finals.

**Building an Engineer Day** – Cal Poly's Society of Women Engineers hosts a semi-annual outreach event called Building an Engineer Day where elementary-aged children come to the Cal Poly campus to learn about engineering through student club organized activities. Our chapter hosted an activity for students to learn about the engineering design process by building balloon racers.

**Convention Participation** – This year, the Phi Psi chapter sent one representative to the annual convention at USC. It is our chapter's goal to send at least two members to next year's convention.