



CAL POLY

Biomedical Engineering
COLLEGE OF ENGINEERING

SPONSOR A DESIGN PROJECT

in Cal Poly's Biomedical Engineering Department!



Engage with Top Talent

Sponsoring a Senior Design Project or Master's Project allows your company to connect with talented Cal Poly students to evaluate potential future employees firsthand.



Get Stuff Done!

Leverage bright Cal Poly students, under the guidance of Cal Poly BMED faculty, to help with projects that your team may not have the bandwidth to focus on internally. After working on the initial design with Cal Poly, fill in the gaps with our industrial ISO 13485, CA FDB, FDA registered partner, PDV MedTech.



Affordable Investment

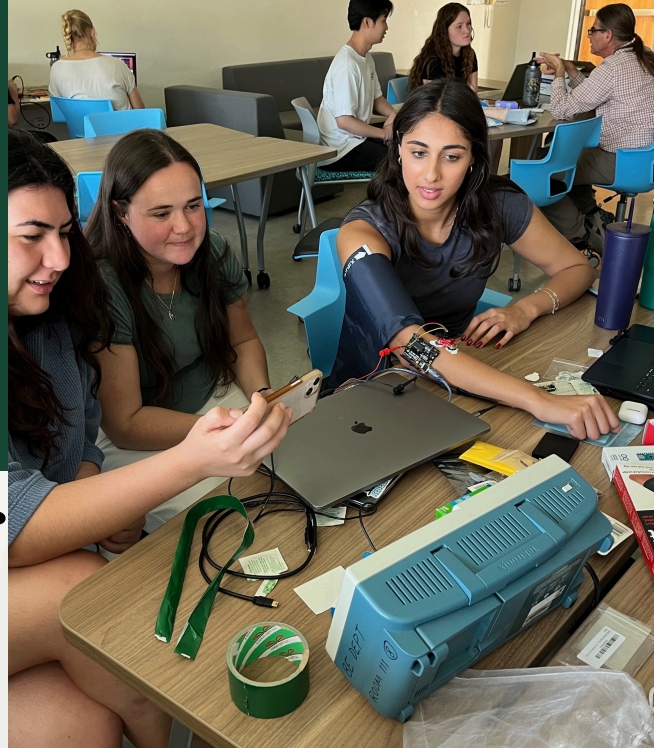
For just \$6,000* plus material costs (typically \$100-\$1,000), your company can make a meaningful investment in the future of engineering and innovation.



Retain Intellectual Property

The project fee allows your company to maintain all IP developed throughout the project.

**Reduced fee can be discussed for nonprofits and startups*



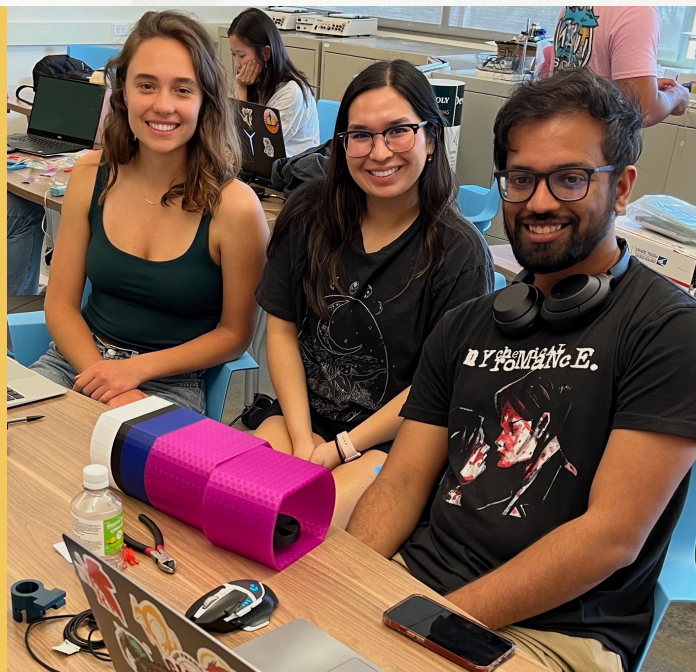
Join us in shaping
the future!

To propose a project or view more
information, visit our Design Project website:



THE NUTS AND BOLTS:

- Over 9-12 months (2-3 semesters), teams of 2-4 students will **design, build, and test** a prototype that benefits your company's work.
 - Students will also develop design history documentation and a final design report for their prototype and testing.
- Throughout the project, students will learn and apply their knowledge of a structured design process.
- Minimal supervision is required from you. We ask that you meet with teams once per week for 30-60 minutes to discuss updates and next steps.
- Faculty advisors work closely with the students each week





CAL POLY

MANUFACTURING AND TESTING CAPABILITIES

STUDENT TEAMS HAVE ACCESS TO...

Machine Shops



Manual and CNC (including 5-axis) mills and lathes, welding (TIG, MIG, oxy-acetylene), waterjet and laser cutting, sheet metal tools, and woodworking machinery

3D Printing



FDM (Ultimaker and Bambu), SLA (FormLabs) for resin printing, PolyJet (Stratasys Objet) with multi-material capacity

Labs and Tools



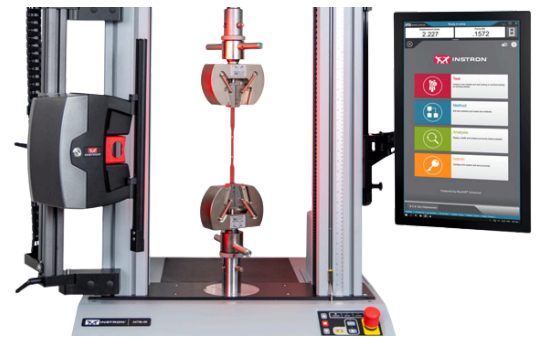
Mechanical and electrical testing equipment, prototyping labs with surplus materials, SolidWorks (CAD) expertise, fume hoods, and supervised use of specialized biomedical instrumentation.

Students have succeeded across diverse projects, including:

- Wearable sensing
- Medical implants
- Surgical tools
- Test fixture design
- ...and more!



FormLabs SLA 3D printer



Instron 34SC-5 Mechanical Testing System



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<https://bmed.calpoly.edu/sponsored-senior-design-projects/>