

## LPC Mission Statement

Las Positas College is an inclusive, learning-centered, equity-focused environment that offers educational opportunities and support for completion of students' transfer, degree, and career-technical goals while promoting lifelong learning.

## LPC Planning Priorities

- ❖ Establish a knowledge base and an appreciation for equity; create a sense of urgency about moving toward equity; institutionalize equity in decision-making, assessment, and accountability; and build capacity to resolve inequities.
- ❖ Increase student success and completion through change in college practices and processes: coordinating needed academic support, removing barriers, and supporting focused professional development across the campus.

## Engineering Technology Advisory Board Members 2023-2024

\* = *In attendance*

Charlie Ababseh	Ian McLean
Brittany Anderson	Gedaria Menard
Evelyn Andrews	Scott Miner*
Rhonda Boykin	Dorothy Morallos
Tim Briggs	Saeid Motavalli
John (Bud) Chesser*	Mark Newton
Lance Crawford	Daniel Ng
Jennifer Decker*	Jean O'Neil-Opipari*
Carlo DeLaCruz	Thomas Orf*
Tri Do	Yoko Parker
Karen Fletcher	Randy Pico*
Sue Frieders	John Ruiz*
Lloyd Hackel	Sarah Shields
Mark Huffmaster	Vicki Shipman
Sean Ireland	Jennifer Siders*
Kristi Johnson	Ray Souza*
Darren Kaneshiro	Sue Swift*
James Kaschmitter	Spencer Wass
William Kossow	Alec Willis
Kevin Kramer	Kristy Woods
Brad Martin	Francisco Yepiz*
Steve McCain	Nate Zimmerman
Beth McCormick	

## Meeting Minutes

1. **Call to Order** at 5:35 p.m.
2. **Welcome and Introductions**
3. **Review and Approval of Agenda**
  - Scott Miner/ Jennifer Siders; motion passes; minutes approved
4. **Review and Approval of Minutes, [10/16/2023](#)**
  - Jennifer Siders/Ray Souza; motion passes; minutes approved
5. **Acknowledgments**
  - Vacuum Tech Workshop Underway - to finish 5/2/2024
    - NNSA Grant – Vacuum Workshop
      - We had 25 students enrolled via Community Education
      - Since this workshop is concluding, we have developed a feedback/survey to collect anonymous information about these students to report back to the grant. Students will be contacted a variety of times over the next few years to determine how this workshop impacted them and their career.
6. **Industry Updates**
  - **Internship Status**
    - Summer 2024
      - All current Engineering Technology students who interviewed for an internship and did not previously have one were hired!
      - 9 student interns working at LLNL
      - LSEO, NSED, MED, and DTED division
  - **Emerging Trends**
    - **Current Hiring Trends**
      - # of jobs available for Engineering Technology grads?
      - Have you been filling Engineering Technology positions?
        - If yes, what degree and or skills do the candidates have?
      - We have hired laser techs, machinists with specialized skills, techs that have experience with high explosives and radiography etc.
      - LLNL encourages students to go out and get some hands-on work experience before applying for an internship.
      - Looking for students with Engineering Technology experience like the vacuum tech workshop, and also looking for students who have internship experience. Having had an internship/mentorship is key to getting hired on in the industry.
        - Ex. Arianna - She really endured herself to the program higher ups. They saw a smart person with a willingness to listen and develop skills so they brought her onboard.
    - **Current Training Needs**
      - WLDT 10 - Machining for the Metal Trades is now offered here for Spring 2024 and will be offered again in Spring 2025, so students are able to take that class on our campus as opposed to having to go to Chabot. This situation primarily took place because of our transition from the old shop to the new building.
      - NNSA Grant classes?
        - Vacuum, Welding, Creo Parametric, Laser; we do have ability in the grant to add or modify something, and we have a great need and great support for an intro lab on radiation safety. There's a team at the lab putting together a radiography class proposal modeling after the vacuum technology.

- There is a huge national need; looking for students from LPC to transfer to Berkeley for Radiological Safety degree.
- This pathway most closely related to this is our OSHA program; we may also get students from Puente and MESA. Jean will bring this up at the OSH advisory board meeting next week.

## 7. Program Report

### • Update on Community College Baccalaureate Research

- At the previous advisory board meeting, Randy had talked about the Baccalaureate program at Bakersfield College with regard to trying to figure out a way to align our Las Positas College Engineering Technology program with it. After doing some research, Jennifer found that it is in Industrial Automation.
  - Bakersfield College – [Industrial Automation, B.S.](#) (Total 72 - 76.5)
    - Lower Division Core Courses (Total 23 - 27.5)
    - Electric Circuits Requirement (Total 3 - 4)
    - AutoCAD Requirement (Total 3)
    - Technology Systems Requirement (Total 3 - 4)
    - Programming Requirement (Total 3 - 4)
    - Chemistry Requirement (Total 4 - 5)
    - Math Requirement (Total 4 - 4.5)
    - Upper Division Core Course (Total 40)
    - Upper Division General Education (Total 9)
  - There may be a few Las Positas College classes we can align to, but not very many. We could use a CS class for lower division but upper division will be harder to accomplish because we don't have that curriculum and it would be a lot of work to write said curriculum to try to align to this.
  - Randy provided a point of reference by sharing that Bakersfield College is the only school in the State of California that is approved to have an Industrial Automation degree program; Delta College has an articulation agreement with Bakersfield College; Currently the LPC Engineering Technology program has no guaranteed transfer for baccalaureate anywhere. This is a huge opportunity for Las Positas College.
    - Ex. The articulated courses for the Associate program at Delta College makes it so students never have to go to Bakersfield; the articulated courses allow students to seamlessly transition program requirements to the Industrial Automation Bachelor's degree. This eliminates duplication of coursework allowing students to continue their technical training program.
  - Scott shared that a lot of companies have shown interest in industrial maintenance, so looking at the curriculum for industrial automation there is a lot of crossover between it and industrial automation. Maybe the combination of the two could provide students with two pathways; one for industrial maintenance and one with more of a science background and then lead to transfer to a baccalaureate program like this.
  - Jennifer said she would talk to our Articulation Officer and see if we could create an articulation agreement for this.
- **Enrollments and Degrees & Certificates Awarded**
  - Enrollments in Intro to Engineering are still strong – potential pipeline of students
    - 44 students in each intro class
    - Additional 2 sections with 2 sections every Fall and 1 section every Spring
  - 21 declared Engineering Technology majors as of Spring 2024
    - Jose in the Veterans Center has met with 14 of them to make Student Education Plans, and is meeting with another 3-5 students because they are interested in Engineering Technology and are working with Jose to change their major and get a SEP done.
  - 10 students applied for graduation in Spring 2024; 6-7 students will get their degrees; the remaining students it depends on how they finish their semester.
- **Outreach**
  - LPC Open House
  - Tri-Valley Innovation Fair
  - Livermore High Green Engineering Academy
  - Financial Literacy and Networking Workshops
  - End of Year Reception for Engineering Technology Graduates – May 6, 2024

## 8. Recommendations from the Advisory Board

- Randy shared that he would like to see a stronger connection with the Veteran's Program here and asked how to get Evelyn/the Veteran's Program more involved as a feeder.
  - Scott shared an idea that he had for his area which was Operation Fab Shop where he would invite the veterans into the shop to either do a small project or observe a couple demonstrations to expose them to the welding program, and then have a small lunch.
  - Randy and John both liked the idea so they will work with Scott and Evelyn on coming up with an event/plan for this.

## 9. Good of the Order

- John Ruiz will be the liaison for Engineering Technology to Veterans for Community Colleges.

## 10. Next Regular Meeting - Tuesday, October 22, 2024 | 5:30 – 7:00 pm

## 11. Adjournment at 6:42 p.m.