



Engineering Technology Advisory Board Meeting AGENDA

October 11, 2022 | 5:30-7:00 pm | Room 1687 & Zoom

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

- ❖ Implement the integration of all ACCJC standards throughout campus structure and processes.
- ❖ 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.
- ❖ Coordinate resources and provide professional development for effective online instruction and remote delivery of student support services and college processes to advance equitable student outcomes.

Engineering Technology Advisory Board

Jean O'Neil-Opipari
Jennifer Decker
Jennifer Siders
Faris Alsaada
Rhonda Boykin
Randy Pico
Sue Frieders,
Ray Souza
Bud Chesser
Anthony Yuen
Lloyd Hackel
Nan Ho
Evelyn Andrews
Will Kossow
John Ruiz
Scott Miner
Peter Ray
Francisco Yepiz

1. Call to Order

2. Welcome and Introductions

3. Review and Approval of Agenda, 10/11/2022

- Approved

4. Review and Approval of Minutes, 5/5/2022

- Approved

5. Acknowledgments

- Congratulations to Randy Pico for being presented with the "Friend of the College" award!
- Thanks to LAM Research for the facility tour!
- Welcome to the new faculty and staff.

6. Industry Updates

- **Training Needs/Hiring Needs/Emerging Trends/Internship Status**
- Randy Pico mentioned that Elizabeth Wheeler, Bioengineering & Detection Group Leader, will be helping look at community college strategies and academics. We have employees that have been going out recruiting. We still have job postings for engineering technologists.

7. Program Report

▪ Enrollments

- Jennifer Decker shared that in all of her classes she introduces the program and tries to connect them with Jean/Evelyn/Jose, and then follow up with them and check in to see if this is the pathway they want to be in and help them make the changes necessary to make this happen.
- Jean O'Neil-Opipari shared that she is working with Rajinder to get a report of all the students that are interested in the ENGR TECH program, and will have a better idea of these numbers in spring.

▪ Degrees & Certificates Awarded

- 65 degrees award since inception of program!

▪ Curriculum Review

- Jennifer shared the ENGR TECH program map with the advisory board
- ENGR 37 is the most difficult class in the program for students
- Jean shared that students would like ENGR tutoring, but our tutorial center doesn't offer tutoring in ENGR.
 - Randy Pico offered to help find tutoring if we reach out to him.
- MATH is a struggle for students as well, so we are encouraging students to enroll in our MATH support courses.
- Shared the new legislation (AB 705/1705) with the advisory board pertaining to us not being able to offer remedial math any longer and having to have students start at transfer-level courses such as MATH 30 and then move on to MATH 39.
 - Ronda asked if we had a bridge program with the adult schools.
 - Nan shared that we currently don't but that is something for us to explore.
- Scott Miner shared that Las Medanos offers a pre-manufacturing course for free
- We should offer Math/Engineering at High Schools/Adult schools to bridge to ENGR TECH



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- We should also offer LPC courses at our local High Schools
- **Opportunities to Volunteer at LPC**
- **Volunteers for Exploratory Subgroups**
 - Laser
 - Additive Manufacturing
 - Machining
 - Goal: How do we incorporate all of these into a two year program?
 - If anyone is interested in being on any of these subgroups please reach out to Jennifer Decker.
 - Volunteers
 - Laser – Rob Campbell, Lloyd Hackel
 - Additive Manufacturing – Sue Frieders, Scott Miner
 - Machining – Francisco Yepiz
 - CAD Design – John Ruiz
 - Bridge Program – Randy Pico
- 8. Vacuum Tech Workshop**
 - Spring 2022 we offered a Vacuum Tech workshop. It was seven weeks long, for a total of thirty-five hours, and we had twenty-five students participate. We received a lot of positive feedback.
 - There is a possibility that we could create curriculum for this, but we'd need to have interest to do so.
 - Bud shared that a Vacuum Technology certificate through community education gets a foot in the door and would be appealing in an interview knowing they had the knowledge.
 - Ex. Content: Vacuum Technology 1 & 2, and Math would be a good start.
- 9. Recommendations from the Advisory Board**
 - The advisory board recommends looking into an after school bridge type program for high schools and/or adult education to try to reach out to different demographics that may not know about our Engineering Technology program.
 - The advisory board recommends exploring community ed as an option for offering Laser Technology.
 - The advisory board recommends looking into offering a vacuum technology noncredit credential.
 - The advisory board recommends adding optics to the physics curriculum.
- 10. Good of the Order**
 - Roger Doering, CSU East Bay, shared that he is interested in learning how to get students into the 4-year school. We're currently hosting almost five hundred students in our engineering programs. We have graduate degrees in construction management and engineering management; those are master's degrees, and then we have undergraduate degrees in computer engineering, construction management and industrial engineering. This coming Fall we will be opening our civil engineering program.
 - Randy Pico shared that CSU EB should bring back their AutoCAD certificate program; this was immensely helpful!
 - The Institute of Electrical and Electronics Engineers (IEEE) can have a student branch at Community College. It just takes 12 students.