

LPC



Mission Statement

Las Positas College is an inclusive, learning-centered, equity-focused environment that offers educational opportunities and support for completion of student's 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.

ET Advisory Board

Sarah Horltzclaw, CLPCCD
Rhonda Boykin, Al. Co. WFD
Randy Pico, LLNL
Sue Frieders, LLNL
Bud Chesser, LLNL
Nan Ho, LPC
Jen Decker, LPC
Jean O'Neil-Opipari, LPC
Jennifer Siders, LPC
Kristi Vanderhoof, LPC
Jennie Graham, LPC
Nate Zimmerman, LPC Student,
Thermal Press

Engineering Technology Advisory Board Meeting Minutes

April 12, 2023 | 5:30-7:00pm | Room 1687 & Zoom

Agenda Item

1. Call to Order

2. Welcome and Introductions

3. Review and Approval of Agenda

4. Moved to approve by Jenny Siders, 2nd by Sarah Holtzclaw, approved unanimously

5. Review and Approval of Minutes, October 11, 2022

6. Moved to approve by Jen Decker, 2nd by Nan Ho, motion approved, Sarah Holtzclaw abstained

7. Acknowledgments

- Thank you to all the contributors to the NNSA Grant Writing Process
 - Grant to help create a pipeline to LLNL and upskill existing technologist employees

8. Industry Updates

9. Internship Status

- 9 LPC students who interviewed for summer internships were offered an internship.
- Most paperwork is in, and many students have their offers and should have their start dates soon
- Jean to follow up with students
- Need to determine if there are any ACP students
- Did get an extension for non-STEM students
- Keoki Partridge's offer was held up because he was missing some paperwork
- Sue checking to see if any other students need anything
- Growth Sector said they could fund one student
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10. Emerging Trends

- Hiring Needs
 - Randy – LLNL need for technicians and technologists job-ready with a 2-year degree. Just approved 160 openings. Will need to look to other community colleges fill these positions. Need to fill the pipeline
 - Kristi - LLNL has not been posting their jobs on Handshake, LLNL is coming to the Career Fair on April 26
 - Bud has not heard of Handshake – Kristi explained

- LLNL interviews through Handshake, Sandia posts, LLNL needs to start posting on Handshake
- LLNL steers people to their internal site
- Sue can help decipher which postings to point students to
- Kristi – anything that is posted on Handshake Kristi can direct to the appropriate students
- What is an efficient way for a large employer to connect with students?
- Send Kristi direct links so she can direct them to ET/Engineering students
- LLNL interviews any student that LPC puts forward from the ET program
- Students in all stages of the ET program. May have about 10 students graduating between now and next year, all staggered. Randy will get that information to recruiters
- Nate – having a lot of trouble finding assemblers and pneumatics. Trouble training engineers in fixturing
- Thermal press needs technicians in assembly. Role would probably be technicians
- Statics critical, pneumatics may not be a whole course, maybe include in another course. Pneumatics may be a month long course. Kind of niche.
- Rhonda - Maybe incumbent worker training that the Work Force Dev. Board could help with. Nexus Edge – tied to IT, platform to work with employer to identify skills that they need and then there would be online projects to for employees to learn new skills
- Pneumatics not in high demand at the Lab
- Randy – Display 26 job postings in Engineering Technology. Over 400 other job openings. Some positions need to go out of state because no training exists in CA
- The LPC ET students have the foundational skills to be an Engineering Technology at LLNL
- Can postings have the wording “engineering technology degree” so students know that they can apply for those jobs
- Include reading LLNL job posting with Career Training
- Nate – build student confidence by practicing applying for jobs
- LLNL sit down with graduates and help tailor resumes for job postings – helpful?
- LLNL recruiters using QR codes for Career Fairs
- LLNL folks come to LPC to do resume review and mock interviews
- Include analyzing job descriptions with Career Training
- Include experience and education on job descriptions may be helpful
- LPC Graduates doing phenomenal stuff
- Students should share any hobbies that are relevant to job

11. Program Report

- [Engineering Tech Pathway Review](#)
 - Proposed changing the order of degree classes so the student has intro to engineering and intro to welding before their internship
 - Randy – Intro to Communication key before student does an internship
 - Jen moved Speech and Communication to first semester, first year
 - High interest classes first? Light my Fire courses?
- Curriculum Review
 - [ENGR 37](#)
 - Include most important aspects
 - Are topics like shear force, and bending moment diagram, critical? Applied strength in materials?
 - Combined stresses pretty advanced
 - This course created for ET program at LPC with deepest input from many areas
 - From instructor perspective, hard to get to all material
 - Nate – information in course highly valuable
 - Some of subject matter can be covered in physics
 - Jenny and Jen will collaborate on how all subject matter can be covered
 - Somebody make a motion that the Skills covered in Eng 37 elsewhere

12. Enrollments

- Should have several graduates in the next year
- Randy – enrollment is still low even though there are high-paying jobs. Rhonda – It is challenging for all employers to find talent right now. Continue to try and promote program, do press release?
- We may be targeting wrong demographic
- Show career path to those who are 4 year focused
- Target folks looking for career change or upskill
- Bridge from adult schools
- Prior students to be champions
- Many affinity groups have transfer as a requirement
- Target homeschoolers, alternative ed, continuation school, adult schools

13. Outreach

- Lots of outreach in community (Tri Valley Innovation Fair) and high schools

14. Degrees & Certificates Awarded

15. Recommendations from the Advisory Board

- **Sue makes a motion that Physics and Engineering work together to make sure the materials section of Engineering 37 is incorporated into the studies of other courses within the Engineering Technology program, Bud seconds. If all content is**

**included in the program, that is what important. Get students familiar with subject.
Motion carries.**

16. Good of the Order

17. Next Regular Meeting:

- Wednesday, October 18, 2023 - 5:30 - 7:30pm

18. Adjournment 7:38 PM

