



Computer Studies Advisory Board

DRAFT MEETING MINUTES

September 24, 2024 | 4:45 PM | Bldg. 1600, Room 1687 & Zoom

Agenda Item

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.

Computer Studies Advisory Board Members

Jonathan Allen	Pavan Manocha
Dennis Andal	Sue Marlais
Peter Andrus	Joseph Marsili
Pavan Attur	Beth McCormick
Robin Basham	Brian Moraca
Anita Bhatia	Carlos Moreno
Eddie Borrero	Jean O'Neil-Opipari
Cory Brown	Paula Checchi
Daniel Cheng	Mark Pettit
Erica Cunningham	Jaime Pirnie
Moh Daoud	Jim Sharp
Debbie Fields	Vicki Shipman
Richard Grotegut	Mark Tanis
Jigyasa Grover	Dwayne Thaele
Mara Lockowandt	Charles Troup
	Jake Walkenhorst
	Jeff Weichert

- 1. Call to Order** – Welcome and Introductions
- 2. Review and Approval of Agenda, 9/24/24**
- 3. Review and Approval of Minutes, 3/26/2024**
- 4. Presentation from Beth McCormick regarding upcoming opportunities**
 - September 17 – LLNL ITO Information Session
 - Record number of students (40)
 - Jim looking forward to getting some resumes
 - September 18 – Capture the Flag with Stellar Cyber, about a dozen students participated and had a great time. Hope to have a much larger crowd next fall
 - October 30 Emerging Trends in Cyber Security meet and greet
 - ISC2 Fall conference on Friday, November 8
 - It's a cybersecurity professional organization that meets throughout the country. But this is in the Bay Area, and they will host their conference here on campus.
 - All day conference, students invited to attend so that they can network with employers
- 5. Student Presentation - Hannah Robby and Jeremy Bridgeman**
 - Jeremy – applied for an internship at LLNL last December. Think he got the internship because of his 10 year experience in construction. Had no previous technical background. Kristi in the Career Center helped with career preparation. Best work experience so far. Great hands on experience.
 - Hannah - Won 1st place at Squirrel Tank competition at LLNL(Sky Fall), brick & mortar project (Lego City). Turning blocks of city off and turning them back on again. Pitch for next steps were proposed test at Site 300. LLNL focuses on not just technical learning but communication and having students report out and present either posters or projects at the end of the summer. This particular group had about 45 students. This is the first time community college students were included in this type of internship experience. Pushed students out of their comfort zone. Great mentorship experience.
- 6. Work Experience - Mary Lauffer**
ased learning – Job Shadowing, Class speakers, Field trips, internships

- Benefits for employer and student
- Internship like a long interview
- Real-world experience for the student
- Work Experience 94 is the class for students doing internships. Students may also substitute Work Experience 95 or general work experience for an internship
- Emphasis on transferable skills
- Ask employers to post opportunities to [Handshake](#)
- [Hour Requirements for Work Experience 94 -95](#)
- Collaboration between the College and community

7. **Industry Roundtable**

- Training and Hiring Needs
- Emerging Trends
 - Top 2 trends AI and Cyber Security
 - Easy to excite large organizations like LLNL, Sandia, banks, FBI about Cyber Security. It is hard to get smaller companies to understand the importance
 - Hiring is slowing
 - May be able to arrange student visit to Workday
- Internship Opportunities
 - Thermo Fisher usually recruits more interns on the science side than on the programming side, but resumes are still welcome. Charles will happily pass on any resumes.
 - Hiring has slowed at LLNL. Internships are hugely important to distinguish students from other applicants.
 - The applicant pools are large and the opportunities shrinking

8. **LPC Program Updates**

- Presentation Overview of CIS (Anita & Debbie)
 - Generative AI Workshop
 - Early stages of creating curriculum
 - Collaborated with other Bay Area community colleges
 - Include ethics of AI
 - High schools very advanced in this area
 - [Overview of Computer Information Systems offerings](#)
- Feedback from the Board
 - Gaps?
 - What is not necessary?
 - Would you hire someone with this degree?
 - Many students want to go directly into a 4 year program
 - Consider Community College, concurrent enrollment
 - Any class that does not have prerequisites or if the prerequisites have been met student may concurrently enroll. Unit limit 11
- Recommended Certifications for Students
 - Look at proposed certificates – maybe incorporate some information into existing CS/CIS/CNT courses
 - Marketing of programs – get people’s attention
- Recommendation on curriculum will be revisited during the Spring Meeting
- Program Data (Carlos)

- Computer Science (CS) enrollment trends look good. Recovering from the COVID dip
- Having growing pains in CS because we only have one full time faculty member. If we continue to grow and we have funding will need to hire more PT faculty
- Still have a gender gap, more males than females. This is true throughout STEM. Clubs like Girls Who Code and Women in STEM are helping
- CNT is also seeing growth but has some of the same gender issues
- CS students tend to skew younger, while CNT has a wider variety of ages.
- Look at race/ethnicity data for LPC population
- Computer Information Systems (CIS) enrollment is trending down, which is why we are trying to reinvigorate this program
- Gender in CIS is pretty even, many students may be professionals looking to upskill

9. Summer Robot Camp (Carlos)

- Partnered with the [Pedrozzi Foundation](#) and [Quest Science Center](#) to put on a summer robotics camp.
 - This was geared towards middle school age children. So we had one week for 6th and 7th graders, and then we had another week for 8th and 9th graders incoming 8th and 9th graders.
 - About 20 students per camp.
 - Most students were Pedrozzi Young Scholars from Junction K8.
 - Students had an opportunity to come to campus. The students and the instructor had a great time!

10. MESA

- Looking for folks to serve on the [MESA](#) Advisory Board

11. Good of the Order

- Summer Cyber Camp coordinated by [Bay Area Cyber League](#)
- Looks like LPC last offered CyberStart camp in 2022
 - [Cyber Patriots](#)
- ISC2 and Cyber Stellar Capture the Flag events this fall
- AVHS students created AI fact checker that ran during a debate
 - One group submitted for the [Dream Makers and Risk Takers](#) award
- AVHS is also working with parent liaisons on using generative AI.

12. Adjournment

13. Tentative Spring Meeting: Tuesday, April 1, 2025, at 4:45 PM

