



PUBLIC SAFETY, ADVANCED MANUFACTURING, TRANSPORTATION, HEALTH & KINESIOLOGY DIVISION SUMMARY 2023-2024

SECTION A: ACCOMPLISHMENTS & NOTABLE ITEMS

OVERARCHING THEMES FOR ACCOMPLISHMENTS/NOTABLE

- Programs are providing various new opportunities for students and are finding various ways to support students.
- Several programs applied for and successfully received grants.
- Many programs in the division are increasing enrollments and continuing to find ways for more growth.
- Programs continue to work on addressing equity gaps – related to gender, income, degree completion, etc.
- Programs in this division have strong collaborations and relationships with the community to increase opportunities for engage employers and employment opportunities for students upon completion of their program.
- The 3400/3500 buildings opened and have improved opportunities for students’ engagement and access to needed materials.
- There has been an increase in non-credit offerings throughout the division, increasing enrollment opportunities.

Administration of Justice -

- The Administration of Justice program opted to defer its 2023-2024 Program Review Update due to no significant updates to report.

Automotive Technology -

- Fall 2023 enrollment dramatically increased; the program was running at 135% capacity in Fall 2023. This is after Spring 2023 running at only 72% capacity.
- The new building and new space give students the feel of a real automotive shop, and provides opportunities for many more hands-on demonstrations for the students.
- Students have been impressed and in awe of the new space, which encourages them.
- Administration and classified professionals have been supportive with the challenges of moving into the new building.
- The program has complied with advisory board recommendations.

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Drone Technology (Noncredit Aviation) –

- New program with courses that have reached capacity and even over-filling weekend sections.
- Received Perkins Grant funding for student interns who conducted flyovers of LPC vineyards, processed the data and uploaded to website.
- Proud of website and social media presence. Website provides program and student internship information, describe type of work being done, formal reports and monthly data sets.
- Secured a Strong Workforce Grant to research potential program expansion, move classes to for credit and to create degrees and certificates. Grant will also support a week-long Summer Drone Camp for students ~ “Summer Drone Coding and Flight Camp”.

Emergency Medical Services -

- The paramedic program will restart in Fall, 2024 after a hiatus. Looking at local Instructional Service Agreement with other agencies to articulate their trainings for the college and increase FTES

Fire Service Technology -

- Completed first Fall Fire Academy
- Developed and completing first full-time Firefighting Academy in Sp24
- Created a Women’s Outreach Program to support female fire service technology students
- Hosting part of the Bay Area Firefighting Conference in May 2024
- Planning to host a Public Safety Academy for high school students
- Contacting alumni who did not complete degrees to encourage them to do so
- Met with regional fire departments to ensure instructional service agreements are being met
- Initiated a credit for prior learning program
- Initiated process to increase course offerings – FST will need to purchase two fire engines

Health -

- AS-T in public health is being updated due to change in state curricular requirements
- Plans to adopt zero cost textbook status for Health 1 and/or 7 for F24.

Kinesiology -

- Submitted RAC request for weight room equipment for courses

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- Assessed athletics SLOs this academic year, and these SLOs are being met
- The program has complied with advisory board recommendations
- Created non-credit classes and offered for the first time and plan to increase offerings in this area for new enrollment opportunities.

Welding Technology -

- Participated in successful \$550K NNSA grant application to provide training for LLNL employees as well as other local employers in 4 areas in the PATH Division
- Worked with Sandia National Lab to develop an 8-part welding training program for their engineering and design staff. Delivery of the course content will be via Community Ed.
- Worked with Sandia National Lab personnel to receive a donation of two HAAS VF2 CNC Machining Center(s). Currently working to obtain an additional donation of a Coordinate Measuring Machine for student use in the lab.
- Initiated an after-school welding program for San Ramon Valley Unified School District to have students take CTE classes at LPC in the afternoon portion of their school day.
- Continued Faculty membership on Cal Poly SLO Materials Engineering Advisory Board.
- Continued Faculty Membership on the Alameda County Public Art Advisory Committee.
- One-on-one delivery of instruction in the program strengthens the bonds between the student, faculty, program, and larger campus community.
- The program has seen a steady increase in students since the Fall 2020 semester.
- The program has complied with advisory board recommendations.

SECTION B: CHALLENGES AND NEEDS

OVERARCHING THEMES FOR CHALLENGES/NEEDS

- Programs who moved into the new building faced challenges related to the building not being fully ready for occupancy.
- Many programs could use additional resources to best support students, including funding, space, and equipment.
- Some programs identified a need for more coordination CAH.
- The change in Area E and the impact this will have on Health, Kinesiology, and Nutrition programs, leading potential downsizing.
- Facility use and academic programs – outside rentals have increased costs of repairs and equipment, as well as access to use of facilities for college programs.
- The inability to hire a public safety manager is having an impact of maintaining and any potential growth of the program

PROGRAM SPECIFIC NOTES

Administration of Justice -

- LMI metrics indicate need for more outreach and publicity and for more support for students to increase unit loads.

Automotive Technology -

- Moving into a new building that was not ready for occupancy
- Equipment in the new building was not installed correctly
- Adjusting to the new building while trying to uphold the highest standards in training students
- Lower enrollment since COVID, but enrollment improved in Fall 2023

Drone Technology (Noncredit Aviation) -

- Challenge in the diversity of knowledge of incoming students – some with no experience and others with well-developed hand coordination.
- Predominately attracting an older age demographic due to weekend courses.
- Students separate into two distinct interest groups – photography and survey/mapping - resulting in a need for additional equipment. Currently have two aircraft dedicated to mapping, but are not ideal for photography. Beneficial to find funding to invest in an aircraft dedicated to photography.
- Need to develop institutionalized surveying methods to track students to determine meaningful ways to improve Strong Workforce Program Metrics.
- Lack of storage space for equipment and supplies for this program, impacting use of labs and storage for other programs as **they compensate for their storage needs.**

Health -

- Drop-in course success rates with return to campus post COVID. Online classes had higher success rates in this discipline compared to on classes.

Fire Service Technology -

- Need a classified professional dedicated to this program (lab tech).
- Costs of tuition, fees and PPE rental are prohibitive for some students. Program is trying to secure scholarships to address this.
- Program is renting external training facilities due to LPC's not being ready, this leads to increased unbudgeted expenses.

- Forcible entry prop needed to ensure reaccreditation—RAC request has been completed
- Need adequate reassigned time for Fire Academy Coordinator position
- Need to develop a work experience course to support completion of Fire Fighter 2 certification
- Many students are struggling with student skills including following instructions, participating in discussions, and doing homework.
- The structure of the FST industry has made it traditionally difficult for women to access and be successful. This has been a deterrent for women to participate in this field. The program has been creative in outreaching to female students who may have a desire to enter the program.
- There is a new model for coaching that would move the Head Coaching position from a faculty position to an administrative position. The district is looking at piloting this in a couple of different sports in the district with one potentially being a position that oversees Women’s Volleyball, Women’s Beach Volleyball and Men’s Volleyball. LPC would greatly benefit from being involved in this pilot, which would increase FTES in the Division while lowering FTEF needs.

Kinesiology -

- The program experienced a major FTEF reduction which limits the course offerings for the major
- Unable to fill the athletics assistant full-time classified position
- Meal money for student-athletes is too low: \$4 Breakfast, \$6 lunch, \$10 dinner
- Coaching stipends for assistant coaches are too small: \$6,000 per year—there is a need for more money for assistant coaches.
- There is a need for a strength and conditioning class per team, or alternatively, a strength and conditioning coach
- More access to resources for athletes to help them get better, such as field/gym/weight room/pool.
- Athletic program growth is needed to increase FTEF and student athletes hit many SCFF metrics
- Better opportunities for transporting our teams to and from games
- Need for independent team rooms for each sport
- Providing constant social media presence for our programs
- Having a “closing room” that is furnished with a table, chairs, and media access, etc. for filming and for bringing recruits and parents to while recruiting them to LPC
- More ice baths, Normatec boots for recovery and rehab stations in the training room
- Yearly practice gear and backpacks provided to our athletes
- This area is not a hotspot for athletic training jobs. The number of employees in this area is lower than the national average, as is the number of job postings in this field per month.
- There is a potential for FTES growth through Athletics. Offering additional sport programs would increase full-time enrollment and also bring in students who would meet supplemental funding metrics through the SCFF, especially in financial

aid, degree completion and transfer. Identified programs that would require the fewest resources are Cross Country, Track and Field, Men's Volleyball and Women's Beach Volleyball.

Welding Technology -

- Welding is a very complicated industry/program that is difficult for others to understand.
- Moving into the new 3500 workspace has had many unexpected challenges. The fact that the new building was not ready for classes has created many secondary effects that has caused harm to the program that will take time to reinvigorate. One example of this is that the program passed on the welding club this year, which reduced student engagement and leadership opportunities.
- The cost of materials and supplies has increased
- The program experienced maintenance and lab operational challenges
- There is no meaningful way to connect with employers on a consistent basis
- The release time does not match programs with similar critical infrastructure workforce complexities, physical materials requirements, level of OSHA safety requirements, adherence to AWS, API & ASME industry recognized codes and specifications, NDE testing and certification and/or outside industry contacts.

SECTION C: ANYTHING ELSE?

OTHER OBSERVATIONS – INITIATIVES IN THE DIVISION

Automotive Technology -

- The program needs time to adjust to the new building, but they are hopeful that the Spring 2024 semester will be a new beginning and that things will fall into place by then.

Drone Technology (Noncredit Aviation) -

- Developed progressively challenging tiered exercises to help meet students where they are at based on previous experience.
- Offering a HyFlex course in attempt to increase student success in the purely online distance education course.
- Splitting NAVI 202 into 2 courses – one for students interested in photography and one for students interested in mapping.
- Looking to collaborate more with local entities including the Drone Program and Lawrence Livermore National Lab and other local wineries.
- Labor Market Data suggests undersupply of Drone Photography workers, although data likely does not capture the breadth of industries who use drones and need workers.

Kinesiology -

- There is interest in reorganizing two weight rooms to be more efficient for courses.
- The program is looking into adding men's and women's cross country. They are considering other potential additions (based on a variety of factors such as CIF data, CCCApply/OpenCCC data at the college, and financial support from the college).
- Curriculum was submitted for Intercollegiate Men's Volleyball and Intercollegiate Women's Badminton in case there is an opportunity/need for the campus to add more sport teams.

Welding Technology -

- Welding has a goal of 100% of their students having a student education plan (SEP), but would be happy if 75% of students have an SEP.

SECTION D: DIVISION PRIORITIES

I. LIST OF UNIVERSAL NEEDS/PRIORITIES - IDENTIFIED BY ALL OR MOST PROGRAMS IN THE DIVISION

A. Quick fix (Can be done now or soon; may take little/no extra resources)

1. Maximize equitable enrollment.
2. Increased outreach and recruitment.

B. Interim (more work required but can be done within the academic year)

1. Identifying needed financial and personnel resources for all of programs.

C. Structural process (longer-term work to be done to "resolve")

1. College and District processes for speeding up hiring and purchasing.

II. LIST OF PROGRAM NEEDS - IDENTIFIED BY ONLY ONE OR A FEW PROGRAMS, BUT STILL NEEDS CONSIDERATION

A. Quick fix (Can be done now or soon; may take little/no extra resources)

1. Access to more fiscal resources through lottery and/or bond (for Athletics and CTE programs).
2. External facility uses: Control that process and financially benefit to supplement programs in 2500, 3400, and 3500 buildings.

3. Hiring of positions already in the budget (Public Safety Manager and PE Athletic Assistant).

B. Interim (more work required but can be done within the academic year)

1. Automotive Technology and Welding Technology identified the need for time to adjust to their new building, which wasn't fully ready for occupancy at the time that they moved in to the new space.
2. Improvements in equipment and facilities through bond and RAC process. (Buildings 2500, 3400, and 3500)

C. Structural process (longer-term work to be done; research and investigation required to "resolve")

1. Welding Technology identified the need for additional release time. Fire Services Technology also identified the need for adequate reassign time for the Fire Academy Coordinator position.
2. Kinesiology identified the need for several resources to support student athletes.
3. Increasing non-credit opportunities, which could require more FTEF, to grow and sustain programs. (Kinesiology, Health, Nutrition, and CTE programs).
4. Additional personnel for Athletics to manage eligibility and potentially facility use (if the division had control of that). This position exists within the district.