

## PROGRAM REVIEW Fall 2018

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**Program:** Fire Service Technology

**Division:** SLPC

**Date:** 10/22/18

**Writer(s):** German Sierra

**SLO/SAO Point-Person:** German Sierra

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**Audience:** Deans, Vice Presidents of Student Services and Academic Services, All Planning and Allocation Committees. This document will be available to the public.

**Uses:** This Program Review will be used to inform the campus and community about your program. It will also be used in the processes of creating Division Summaries, determining College Planning Priorities and allocating resources. A final use is to document fulfillment of accreditation requirements.

**Time Frame:** This Program Review should reflect on program status during the 2017-18 academic year. It should describe plans starting now and continuing through 2018-19. This document also provides the opportunity to describe more long-term plans (optional).

**Sections:** The first section of this Program Review focuses on general program reflection and planning. The second section has specific questions to be filled out by all programs this year. The third section is an SLO/SAO update. The fourth section is a review of curriculum. Only programs with curriculum need to complete Section 4.

**Topics:** A list of topics of particular interest to Program Review readers can be found here:

<https://goo.gl/23jrxt>

**Help:** Contact Karin Spirn: [kspirn@laspositascollege.edu](mailto:kspirn@laspositascollege.edu)

### **Instructions:**

- 1) Please respond to each question as completely as possible.
- 2) If the requested information does not apply to your program, write "Not Applicable."
- 3) Optional: Meet with your dean to review this document before October 22.
- 4) Send an electronic copy of this form to Karin Spirn and your Dean by October 22.

### **Links:**

Program Review Home Page: <https://goo.gl/XATqjJ>

Fall 2017 Program Review Updates : <https://goo.gl/pkv76m>

Frequently Asked Questions: <https://goo.gl/ilhRtt>

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## Section One: Program Snapshot

### No Significant Changes Option

Contact person: \_\_\_\_\_

By marking an X in the box above, the writers of this Program Review indicate that there have been no significant changes to their program or their program's needs in the past year. In this case, programs may opt not to complete Program Review Section One: Program Snapshot.

**Programs must still complete all other sections (as applicable).**

Please note: Choosing this option means that your program's information may not be included in the yearly Division Summary.

The No Significant Changes Option may only be used for two years in a row; after two years, programs must complete a full Program Review including the Program Snapshot. Our program's most recent Program Review was submitted in the following semester: Fall 20\_\_\_\_\_.

**A. Program Description: Briefly describe your program, including any information or special features of your program that will provide helpful context for readers of this Program Review.**

The Fire Service Technology Program at Las Positas college is staffed by one full time faculty who also serves as the program coordinator, the fire academy director and program liaison with municipal, county and federal agencies in matters of program accreditation, program and curriculum development and outreach.

The FST Department is staffed by up to four part time instructors and will be conducting substantial hiring to staff our upcoming Regional Fire Academy. We are projecting that our Department will grow to around 10 Part Time Instructors and up to 20 or more Professional Experts and other subject matter experts that will be required to deliver instruction at our Fire Academy this Spring.

We are excited about this growth which will increase the success of our students by providing several stackable industry certifications, certificate of achievement/s and what we predict will be a 25% increase in the number of FST AS Degrees by the fall of 2021.

**B. Changes to Program and Needs: Describe any significant changes to your program or your program's needs since the previous Program Review Update (Fall 2017).**

The biggest change to this program was the retirement of Captain Ron Johansen who has served as our FIRE Program coordinator for over two decades. German Sierra is the new FST Program coordinator, he came to us from Los Medanos College where he was a tenured professor , Department Chair for both FIRE and EMS programs among other assignments.

Las Positas College became an ARTP- Approved Regional Training Program within the California State Fire Marshall's Office this October, 2018. This state accreditation comes with several regulations and mandates that LPC has agreed to follow. LPC students will be able to attend a State Approved Fire Academy that is based on a National Curriculum and transferable in-state as well as a national level. Successful LPC Fire Academy graduates are eligible for a Firefighter 1 certification after the experiential component is met. Following the Firefighter 1 and Firefighter 2 certifications. Students will be considered a journey-person and can then apply for both entry level and lateral (journey level) positions with Fire Agencies in California and 29 other states.

**Curriculum:**

The FST curriculum has been revamped and updated this Fall, several courses not offered or course no longer with the State Fire Training were deactivated. Several new courses were created or updated, and 3 certificates of achievement are now in place. We are working on creating the experiential piece of our curriculum, so we can provide internships to our FST students, especially the ones graduating from our FIRE Academy. All the SLOs for the main core courses were updated and aligned to FESHE (Fire and Emergency Services Higher Education) model curricula 2018 edition. All the FST Core Curriculum classes have been web enhanced and soon will be ready to be launched in a Hybrid or online format when applicable after consultation with both Faculty and our Advisory Committee.

**Program Needs:**

As a newly accredited ARTP -Regional FIRE Academy the program needs several pieces of equipment that are "industry standard" and relevant to our operation. Several pieces of equipment have been donated to the college by local agencies and we are very grateful for this, however, donated equipment tends to be old or outdated equipment. LPC FST needs new equipment that is industry standard and has both recency and relevancy.

LPC FST is in need of our own facilities, we continue to advocate for a 7 story Fire Tower, 2 Classrooms and one CTE Lab -Fire Technology Lab-Classroom, at this time we have entered into a rental agreement with LPPFD , this is a temporary solution that is not sustainable long term.

We have several apparatuses that need to be serviced and tested per state and national mandates, our operating budget of \$500 for maintenance is not enough to maintain the many pieces of equipment that the FST program owns. We are working with our Public Safety Manager who agrees with our Faculty that an immediate infusion of funds into our program is needed to do the initial testing of our apparatus. We anticipate, estimate that around \$12,000 are needed to give our apparatus an initial inspection and fix any issues found. The Public Safety Manager and the FST Program Coordinator have submitted what we believe is a sensible and financially responsible budget to our Administration. Here are some of our immediate needs.

- All the Fire vehicles within our program need to be 'pump tested", hoses need to be tested , additionally our ladders and other equipment which will be used in our Fire Academy need to be tested or in some cases replaced altogether.
- The Fire Service Program coordinator has asked for an increased of 1 CAH reassigned time to work on: developing a pathway for Public Safety for local K12-ROP- and Adult Education institutions, explore the creation of articulation agreements that will lead to "dual enrollments" with these institutions, attend monthly ALCO Fire Training Officers meetings, Regional Joint Venture (BACC) meetings FIRE and EMS workshops, CFTDA-California Fire Training Director Association quarterly meetings and to work on the curricular piece of the FIRE Academy which needs to be put in place and maintained. The Fire Academy is a new program that adds a considerable amount of work to the FST program coordinator position. An increase to 3CAH from 2CAH for reassigned time moving forward, starting in Spring 2019 will be much appreciated, thank you.
- Although we can use Strong Work Force funds and Perkins monies for the immediate future, we need to institutionalize our Fire Academy as a program into LPC and find a mechanism to fund it

long term. A request for extra CAH for the FST has been submitted for approval to the administration.

- Personnel for the FSC 1 class and FSC 2 class. The outgoing FST Program Coordinator mentioned to me that he has been trying to get 2 additional “lab assistants” or professional experts for these courses. I agree and support his assessment. These two classes deal with the carry and raising of ladders and other items that require close supervision for safety purposes.

A recent FST Advisory Board meeting was held on October 10<sup>th</sup>, 2018 and the priority of building our own facilities (The Public Safety Training Center) separate from other divisions was reiterated. The need to have our own space to grow our program and bring new students into LPC as well as to expand outreach to working professional Firefighters and other Fire Service ancillary professions depends on the building of our Public Safety Training Center. We are grateful to LPC administration for moving this forward and continue to be engaged and hopeful that the project will remain in track.

### **Outreach and Vision 2021**

Starting this Fall, the new FST coordinator has set a goal of 10% female participation within two years of our program in our Fire Academy, this will require outreach to female athletes and the creation of a “Firefighter Recruit for a day “program that will concentrate on reaching out to women in our community. The FST program coordinator has also met with counselors and our articulation officer and curriculum expert and has begun the process to stream line our FST curriculum. We believe this action will yield a projected 25% increase in the number of FST AS degrees given within the next three years, this is a ambitious goal but we believe with the support and backing of the LPC administration and working collaboratively with other departments this is a realistic goal. FST Faculty is very much invested in this endeavor which will benefit our students and is aligned to LPC “Students First” philosophy.

Mark an X before each area that is addressed in your response.				Definitions of terms: <a href="https://goo.gl/23jrxt">https://goo.gl/23jrxt</a>			
X	Community Partnerships/Outreach	X	Facilities, Supplies and Equipment, Software	X	LPC Planning Priorities	X	Services to Students
X	Curriculum committee items	X	Financial/Budgetary	X	LPC Collaborations	X	SLO/SAO Process
	Enrollment Management	X	Human Resources		Pedagogy	X	Technology Use
	External Factors		Learning Support	X	Professional Development		

**C. Reflection: What plans from the [2017 Program Review](#) or any [previous Program Reviews/Updates](#) have been achieved and how? You may also describe achievements that were not planned in earlier Program Reviews.**

The main item was the creation and approval of a State Accredited FIRE Academy and this has been successfully achieved this fall. As previously mentioned, a massive program update was conducted and all the FST core courses were web enhanced and institutionalize using CANVAS LMS.

Although not planned, all of the Core Fire Courses SLOs , Program PSLO were updated and entered on E-Lumen and matched to the newest curriculum from FESHE (Fire and EMS Service for Higher Education) 2018 model curricula.

Mark an X before each area that is addressed in your response.				Definitions of terms: <a href="https://goo.gl/23jrxt">https://goo.gl/23jrxt</a>			
X	Community Partnerships/Outreach		Facilities, Supplies and Equipment, Software	X	LPC Planning Priorities	X	Services to Students
X	Curriculum committee items	X	Financial/Budgetary	X	LPC Collaborations	X	SLO/SAO Process
X	Enrollment Management		Human Resources	X	Pedagogy	X	Technology Use
X	External Factors		Learning Support		Professional Development		

**D. IR Data Review: Describe any significant trends in your program’s data from the office of Institutional Research and Planning. (Note: Not all Programs have IR data packets available; if your program does not have a data packet, you may note that in the response box). You may also discuss any other data generated for your program by the Office of Institutional Research and Planning.**

IR Data packets are available here: <http://www.laspositascollege.edu/research/progrev.php>

Course Success Rates Dashboard can be found at the bottom of this page: <http://www.laspositascollege.edu/research/outcomes.php>

There is a pronounced gender gap in LPC FST program, this is not unique to our college or to the FIRE Service Industry as a whole. The female representation in the FIRE Service hovers around 4% or less on average at a national level according to the National Fire Protection Association Data from 1983-2016 numbers, found here: <https://www.nfpa.org/News-and-Research/Fire-statistics-and-reports/Fire-statistics/The-fire-service/Administration/Firefighting-occupations-by-women-and-race>

The LPC FST has been successful to a degree in the recruitment and retention of female students in our programs although much work lies ahead. The new FST program coordinator has set a goal of 10% female representation in our Program and Fire Academy, efforts are underway by talking to women athletes. We are also working to institute a recruitment program at the HS Level through guided pathways in Public Safety, these efforts are in their early stages although visits have already been made to some of these groups.

Although our “evaluation year retention rate” is now at 73.7% below the 75% target established before, it remains within the Program-Division averages for LPC. We plan to address this by instituting Canvas in our courses and by asking LPC to consider “Star Fish”, a program used at my previous institution that links the student, the counseling department and the discipline through a common platform. Other efforts will include closer collaboration between all members of the Department in the hope of meeting our goal of 75% retention for next year.

Mark an X before each area that is addressed in your response.				Definitions of terms: <a href="https://goo.gl/23jrxt">https://goo.gl/23jrxt</a>			
	Community Partnerships/Outreach		Facilities, Supplies and Equipment, Software	X	LPC Planning Priorities	X	Services to Students
	Curriculum committee items		Financial/Budgetary	X	LPC Collaborations		SLO/SAO Process
X	Enrollment Management		Human Resources		Pedagogy		Technology Use
X	External Factors		Learning Support		Professional Development		

**E. Other Data Review (Optional): Describe any significant findings based on other data regarding your program. Possible sources of relevant information might include, but are not limited to, the following:**

- Data generated by your program
- CEMC Data
- Labor Market Data

The demand for FIRE Services professionals according to LMI (Labor Market Information) data remains robust at around 6% increase and there is an anticipated 125 Firefighting positions in our Sub-Region and up to 456 in the Bay Area Region, the trend is expected to continue through 2024.

Mark an X before each area that is addressed in your response.				Definitions of terms: <a href="https://goo.gl/23jrxt">https://goo.gl/23jrxt</a>			
	Community Partnerships/Outreach		Facilities, Supplies and Equipment, Software		LPC Planning Priorities		Services to Students
	Curriculum committee items		Financial/Budgetary		LPC Collaborations		SLO/SAO Process
	Enrollment Management		Human Resources		Pedagogy		Technology Use
	External Factors		Learning Support		Professional Development		

**F. Impacts to Students (Optional): Discuss at least one example of how students have been impacted by the work of your program since the last Program Review Update (only if you did not already answer this in Questions B-E).**

FST continued outreach to local FIRE Service Industry and employers is at the core of our mission. The FIRE Program Coordinator arranged for a local employer to come return to LPC to conduct on site hiring interviews and to offer jobs between that pay between \$18-\$20 dollars per hour to our students. A handful of FST students, Pre-Nursing Club student and was offered employment with this organization. October 24<sup>th</sup>, working collaboratively with our CTE Advocate and the other disciplines in Public Safety (EMS and AJ), we will having a Public Safety Majors and Career Fair, we managed to bring in the USFS (US Forest Service) Region 5 Human Resources representative, we were told that that the USFS has over a thousand open positions, this is very exciting to us. There are over 19 other agencies that will be attending this event as well.

Mark an X before each area that is addressed in your response.				Definitions of terms: <a href="https://goo.gl/23jrxr">https://goo.gl/23jrxr</a>			
X	Community Partnerships/Outreach		Facilities, Supplies and Equipment, Software	X	LPC Planning Priorities	X	Services to Students
	Curriculum committee items		Financial/Budgetary	X	LPC Collaborations		SLO/SAO Process
	Enrollment Management		Human Resources		Pedagogy		Technology Use
X	External Factors		Learning Support		Professional Development		

**G. Obstacles: What obstacles has your program faced in achieving plans and goals?**

<p>The financial resources, logistics, equipment and personnel needed to properly fund, operate and bring our Fire Academy and the FST program into two fully functional programs capable of reaching their full potential has not been properly addressed in the past. Before his departure, I met with the outgoing FST program coordinator and he told me that the FST Dept was underfunded and that an immediate infusion of funds was needed. This semester we have been informed that we have funds available to put on a Fire Academy in the Spring of 2019, we remain optimistic that this time this program will be properly funded.</p> <p>After reading multiple FST program reviews written by my predecessor and after talking to other members of the FST Faculty and Staff, we agree that the FST program needs the financial backing and support from the Board of trustees and from the LPC Administration. Here is what my predecessor assessment was of this program in the 2016-2017 program review, please see below:</p> <p><i>“There continues to be a lack of support to recognize the many accomplishments by the students of the Las Positas College Fire Service Technology Programs, especially by the Board and the Administrative Levels of the District. The time has come to demonstrate a commitment to their hard work and success from the many past generations who have attended and graduated from the program and have gone on to very successful careers within the Fire Service Family. The lack of a comprehensive training facility with a training tower shall limit the true potential of the Fire Service Technology here at LPC for years to come. It is the only obstacle, that limits the program here at Las Positas College.”</i></p> <p>The new FST Program Coordinator has been working diligently and collaboratively with the administration, our wonderful Dean, our very capable CTE Program Manager and with our new Public Safety Manager to create and develop an operational budget for these programs that addresses the observation made by my predecessor. I remain optimistic that once the FIRE Academy is launched and our new Public Safety Manager settles into his new role, the workload for the Fire Service Coordinator will become more manageable. I am excited and grateful to LPC Administration, my Faculty Colleagues, Classified Professionals for their help and support and look forward to making FST and our new FIRE Academy, blue-ribbon programs in the next few years.</p>							
Mark an X before each area that is addressed in your response.				Definitions of terms: <a href="https://goo.gl/23jrxr">https://goo.gl/23jrxr</a>			
	Community Partnerships/Outreach		Facilities, Supplies and Equipment, Software		LPC Planning Priorities		Services to Students

Curriculum committee items	X	Financial/Budgetary	X	LPC Collaborations	SLO/SAO Process
Enrollment Management	X	Human Resources		Pedagogy	Technology Use
External Factors		Learning Support		Professional Development	

**G. Short Term Planning: What are your most important plans (either new or continuing) for next year? Describe plans starting now and continuing through AY 2018-19.**

- Launch our FIRE Academy, we still need financial resources, personnel and logistics/equipment to make this a go.
- Keep our Public Safety Training Center plans on track and secure a FIRE Tower of our own, this is key to the continued success and growth of this program.
- Address the curriculum needs and continue to build partnerships with local industry and established an internship program

Mark an X before each area that is addressed in your response.			Definitions of terms: <a href="https://goo.gl/23jrxt">https://goo.gl/23jrxt</a>				
X	Community Partnerships/Outreach	X	Facilities, Supplies and Equipment, Software	X	LPC Planning Priorities	X	Services to Students
	Curriculum committee items		Financial/Budgetary	X	LPC Collaborations		SLO/SAO Process
	Enrollment Management		Human Resources		Pedagogy		Technology Use
	External Factors		Learning Support		Professional Development		

**I. Long Term Planning (Optional): Please detail any long-term plans for the next 3-5 years. (Only if you have significant plans, such as implementation of a grant project, creation of long-term initiatives including those using restricted funds such as Equity or SSSP, construction and outfitting of a new building).**

- Construction of our Public Safety Training Complex -Keep the project moving and on track
- Institutionalize our Regional Fire Academy as a program within the LPC family of programs
- Growth our FST Program by 25% FTES by reaching out to K12-ROP and Adult Ed institutions and develop articulation agreements in the short term (2 years) and dual enrollment agreements (3-5 years long term). FST also needs to work with our local Fire Agencies and make our curriculum accessible to them. We plan to explore the possibility of making at least 25% of our classes be able to be delivered in a hybrid or 100% online format, steps were taken already, and all the CORE Fire classes were web enhanced this semester.
- Solidify our relationship ships with local FIRE Agencies in East Alameda County and other vicinities and establish ISA (Instructional Service Agreements) for class delivery under the

umbrella of LPC using a mix of LPC and Fire Agency specific workforce and facilities where applicable, much like what is happening now between AJ and Alameda County Sheriff Academy.

- Obtain proper funding and staffing to bring all the above goals into operational realities within our program

Mark an X before to each area that is addressed in your response.				Definitions of terms: <a href="https://goo.gl/23jrxr">https://goo.gl/23jrxr</a>			
<b>X</b>	Community Partnerships/Outreach	<b>X</b>	Facilities, Supplies and Equipment, Software	<b>X</b>	LPC Planning Priorities	<b>X</b>	Services to Students
	Curriculum committee items		Financial/Budgetary		LPC Collaborations		SLO/SAO Process
<b>X</b>	Enrollment Management		Human Resources		Pedagogy		Technology Use
<b>X</b>	External Factors		Learning Support		Professional Development		

## Section Two: Current Topics (Required for All Programs)

- A. **Educational Master Plan: A list of goals and strategies appears on page ii of the Educational Master Plan, which can be accessed here:**

[http://www.laspositascollege.edu/about/assets/docs/LasPositas\\_Ed\\_Master\\_Plan.pdf](http://www.laspositascollege.edu/about/assets/docs/LasPositas_Ed_Master_Plan.pdf)

**If applicable, describe how your program's upcoming plans reflect the goals described in the college's Educational Master Plan (your plans are described in Section 1, Questions H-I, or on a previous program review if you did not complete this year's Program Snapshot).**

FST Department vision 2018-2021 Aligns itself with all the Education Master Plan goals and strategies. I was amazed at how seamless the integration of LPC Goals fits with our vision. Please see below:

### **EDUCATIONAL EXCELLENCE:**

The creation of LPC's FIRE Academy will allow current FST students to obtain a national certification and become "national-global workers" and provide them with workforce readiness by allowing them to take the certifications and industry credentials that will be provided by this program.

### **FST 2018 FESHE aligned curriculum:**

The recent update of our curriculum and the recent programmatic review will stream line our curriculum and make it more lean concentrating on producing an entry level Firefighter who is well trained but also comes with the latest industry relevant skills, this will address the need to serve a diverse and global workforce who uses basic skills and employability skills embedded into our curriculum.

### **COMMUNITY COLLABORATION**

A person will be hard pressed to find a program with more direct opportunities for community involvement than a public safety program at their local Community College. The creation of the FIRE Academy and the exploration of a Public Safety Career Pathway underway at LPC is ripped for growth. This will address all LPC institutional priorities from B1 to B4 found in the EMP on section ii.

### **SUPPORTIVE ORGANIZATIONAL RESOURCES**

LPC FST program is on board with all the priorities and strategies identified here. We have taken the first steps by: web enhancing all our FST Core Degree courses and by aligning to a national curriculum, working with our CTE Manager and our Public Safety Manager to develop a budget that will support our program. We continue to work with all the stake holders in the planning and building of our Public Safety Training Center which will address the additional goals identified the by LPC's EMP. The alignment of FST vision with LPC EMP will greatly benefit our students and we look forward to continuing this work.

### **ORGANIZATIONAL EFFECTIVENESS**

LPC FST Department believes in professional development for all our faculty being a critical component to foster and harvest sound pedagogy and andragogy. The new FST Program Coordinator is heavily involved with several organizations and continues to learn from industry leaders by attending several workshops and retreats. The information, processes, mandates discussed during these workshops is then brought back to LPC FST in order to keep our program as current as possible when it comes to update or creation of new curriculum so that our students will always have the most up to date information and resources.

**B. Program-Set Standard (Instructional Programs Only): Did your program meet its program-set standard for successful course completion? \_\_\_yes \_\_\_XX\_\_no**

Program-set standard data can be found on this page:

<http://www.laspositascollege.edu/research/outcomes.php>

**If your program did not meet your program-set standard, discuss possible reasons and how this may affect program planning or resource requests.**

FST Program completers was set at 75% and our final numbers were 73.8%. Being the new FST program coordinator and my first semester at LPC I am not sure exactly what happened here. I however, met with the counseling Department and our Articulation Officer and I believe that stream lining our curriculum and the outreach to our students in a two-prong approach Faculty and Counselor should yield positive results and help us get to the 75% goal.

**C. Facilities: Do you have any facilities needs that are currently unmet? If yes, please describe.**

This has been addressed but in short, we need a 7 story FIRE Tower and three classrooms, one of them being a FIRE sim lab. Currently, we are using classroom 801 which is a small theater lacking the technology and infrastructure to support our new tech heavy, web enhanced program. Due to the multitude of accreditation requirements and mandates related SOPs and SOGs , We are working with EMS and Administration of Justice on the planning process of our new Public Safety Training Center. Although we have secured a temporary agreement to rent the facilities at the LPFD Training Tower, this agreement is not sustainable nor ideal. The long-term solution remains the construction of our own Public Safety Training Center here at LPC complete with a FIRE Training Tower, fire props, classroom facilities. Please reference the 2016-2017-line item facility needs which list all of these items and it remains in the initial planning stages, click here:

<http://laspositascollege.edu/programreview/assets/docs/fall2017/Fire%20Science%20Program%20Review%202017.pdf>

**D. Professional Development**

**Section 87153 of California Education Code specifies the type of Professional Development activities that may be funded by the Community College Professional Development Program. You can review these activities here: <https://goo.gl/w8sqBM>**

**D1. Summarize the aspects of professional development that have been working well for your program. This might include the process of obtaining funds, the types of training your program members have been attending, etc.**

Our CTE Manager has allocated funds for the FST coordinator to attend CFTDA California Fire Training Association quarterly conferences. Thank you for this.  
The FST Program coordinator is also involved with the BACC Bay Area College Consortium and the Regional Joint Venture. Additionally, the FST coordinator attend meetings with the Alameda County training officer's association and other Fire Agencies in our area.  
The expansion of our program will result in a massive amount of new folks being hired that must be properly onboarded and immersed into the LPC Culture and way of doing business, this

will require the new FST Program Coordinator to host a number of how to navigate the college environment and to provide coaching and guidance to these new instructors, all of this demands additional reassignment time that the position does not yet have.

**D2. Summarize any needs, desires and visions your program has regarding professional development, as well as any challenges.**

There is a great opportunity looming for our talented workforce to become leaders in the Fire Service Industry, this requires additional time for them to become proficient with the latest LMS, Canvas. I realize that LPC provides opportunities for professional development for all district employees but in past my experience when this is done at a Department Level, it tends to have an immediate and lasting impact on our part time faculty when they see the wonderful new educational resources apply to their specific discipline.

The challenges are always revolving around two things: funds and the availability of individuals with their busy schedule to attend these workshops. I do not have an answer for this but having FST-Public Safety Professional Development workshops for our faculty and paying these folks to attend will be a step in the right direction in my opinion.

**E. Program Review Suggestions (optional): What questions or suggestions do you have regarding the Program Review forms or process?**

None at this time, Thank you

### Section Three: SLOs/SAOs (Required for All Programs)

A. In the box below, copy and paste your “Plans for Analysis of SLO/SAO Data” from last year's Program Review. This plan can be found in the [2017 Program Review](#) Section 1 Question L.

(If discussing multiple PSLO/SAOs copy the box below as needed.)

Circle One: CSLO   PSLO   SAO
Course, Program Name, or Student Service Area: <b>FIRE Service Technology</b>
Text of CSLO/PSLO/SAO: After meeting with both the CSLO Coordinator at LPC and with the PSLO lead, it was suggested that I wait until next year to do this. The reason why was that the old CSLOs and SAO were NOT aligned to a national curriculum and in some cases some CSLOs were a clone of another course, they repeated themselves. The data that this will have yielded will not have been useful, it is best to wait and Asses our courses starting next spring once the new CSLO have been approved.
If you plan to analyze a PSLO, identify the courses that are mapped to the PSLO. This was also revamped. The CSLO Coordinator and Lead Faculty on this recommended that I wait until after the Curriculum Committee reviews and approves the new CSLO in E-Lumen and once this is done in the Spring of 2019, the new FST Program Coordinator can then map the program CSLOs to the PSLO. This is because we changed all the CSLOs within the courses in question. Several other courses that were outdated were deactivated and as a result there is no need to analyze those courses any longer.

B. Below, report on your program's progress on the plan described in Question (A) above.

Text of CSLO/PSLO/SAO: I found no data in E-Lumen when the CSLO program coordinator and I met and did research on this. Once the new CSLOs are approved and I plan to asses all of the courses that I am teaching and to also provide training and guidance to part time faculty on this. This is what was assessed last year, I did not find a formal assessment on ELUMEN for any of the FST Courses, this is what I found when looking at past program reviews, see below:  Basic Writing skills with Application Actions and Resume development which can lead students to potential employment. We assess these skills at the beginning of class and at the end of class to see a difference in structure and quality of application opportunities and resume development for future opportunities of employment.
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SLOs: Assessment data collected from _____ sections over _____ semesters. SAOs: Assessment data collected from _____ students over _____ semesters. <b>None found</b>
Describe the quantitative or qualitative results:
Discuss and reflect upon student achievement for this CSLO/PSLO/SAO. Discuss any actions taken so far (and results, if known) and your action plan for the future: <b>Please see Section B</b>
What changes in student achievement are evident across the semesters you analyzed? What are some possible explanations for these changes? <b>Please see above</b>
DO you plan to continue tracking this SLO in the next year? Explain.  Yes of course, we will be using the new FESHE 2018 Model National Curriculum, al of the FST Core Courses have CSLO were updated and are awaiting approval by the Curriculum Committee

**C. Planning: What are your future plans (either new or continuing) for SLO/SAO analysis for next year? Identify the PSLOs, CSLOs, or SAOs that your program plans to focus on the upcoming year with subsequent analysis (next year’s program review). (Copy the box below as needed.)**

Circle One: (CSLO) ( PSLO ) SAO
Course, Program Name, or Student Service Area: <b>Fire Service Technology ---Please see above</b>
Text of CSLO/PSLO/SAO:  <b>Waiting approval</b>
If you plan to analyze a PSLO, identify the courses that are mapped to the PSLO. <b>NA</b>

**D. SLO/SAO Suggestions (optional):** What questions or suggestions do you have regarding SLO/SAO planning, assessment and reporting?

NA

**Section Four: Curriculum Review  
(Programs with Courses Only)**

The following questions ask you to review your program's curriculum. To see the last outline revision date and revision due date:

1. Log in to CurricUNET
2. Select "Course Outline Report" under "Reports/Interfaces"
3. Select the report as an Excel file or as HTML

**Curriculum Updates**

**A. Title V Updates:** Are any of your courses requiring an update to stay within the 5 year cycle? List courses needing updates below.

**B. Degree/Certificate Updates:** Are any degrees/certificates requiring an update to do changes to courses (title, units) or addition/deactivation of courses? List needed changes below.

There were several changes that have been addressed this year. We have created two new COA and will work on one more if time allows it.

NEW: Certificate of Achievement FIRE ACADEMY-FIRE Suppression

NEW: Certificate of Achievement Fire Prevention

PROPOSED: Certificate of Achievement COMPANY OFFICER Management Academy

**C. DE Courses/Degrees/Certificates:** Detail your department's plans, if any, for adding DE courses, degrees, and/or certificates. For new DE degrees and/or certificates (those offered completely online), please include a brief rationale as to why the degree/certificate will be offered online.

Yes, The new FST Program Coordinator is exploring the possibility of converting 20% or more of the FST Core Classes into a hybrid in the next two years and fully on line in 4 years.