

# CTE Update

PALO VERDE COLLEGE

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## FIRE SCIENCE TECHNOLOGY

Firefighter I CCP; Fire Instructor CCP; Fire Inspector I CCP; Fire Inspector II CCP; Fire Investigator I CCP; Fire Science Technology CCP; Hazardous Materials CCP; Company Officer CCP; Chief Officer CCP; Fire Apparatus Driver/Operator CCP; Water & Boat Rescue CCP; Wildland Fire CCP; Technical Rescue CCP; Fire Command CCP; Aircraft Rescue and Firefighting CCP; Hazardous Materials Specialist AS; Fire Science Technology AS

### REPORTING FALL 2020 TO SPRING 2022

## 1. PURPOSE OF THE PROGRAM

- a. The mission statement of Palo Verde College is to provide opportunities for personal and professional growth to a unique community of learners in an academic environment committed to student success, diversity, equity, and inclusion by supporting student achievement of basic skills, certificate, degree, university transfer, and career goals. In addition to the above, Industrial Emergency Council, IEC, has always and will continue to provide the highest level of quality training.
- b. This robust Fire Science Technology program offers classes for all levels of the fire service. Level one, entry level, classes give the students a strong foundation of knowledge, skills and abilities on which to build upon. As students' progress through their career path, these courses will parallel their needs for a successful transition. Due to the resources required and level of instruction, many of these courses are advanced and highly technical and are only offered through a few colleges throughout the state and across the country. All courses IEC offers meet or exceed the requirements set by the Office of the State Fire Marshal, OSFM, California State Fire Training, CSFT, National Fire Protection Association, NFPA, as well as, National Incident Management System, NIMS, Occupational Safety and Health Administration, OSHA, and other Federally mandated training.
- c. The addition of thirteen certificate programs and one degree program will give past, present and future students the ability to obtain certificates and degrees in multiple disciplines within the fire service. While many of these courses will provide new skill sets for the student, it is not only imperative, but mandated that all required perishable skills are included in the appropriate curriculum.

## **2. DEMAND FOR THE PROGRAM**

In the past five years most fire departments that IEC serves have seen a 50% – 75% turnover rate in personnel. This has proven to be a challenging time especially when combined with the demands of Covid-19 training and limitations. Training requests at all levels of the fire service from Firefighter to Chief Officer, including all specialty areas has increased. Many of the course curriculums have added distance education availability to keep up with the local, state and federal mandates. The advancements and complexity of the world today has created the need for additional training in multiple disciplines; such as: electric vehicle use continues to increase and has changed the way we approach vehicle fires and accidents; responses to more violent and dynamic scenes have increased; natural and manmade disasters have created large scale emergency incidents at a rate and level we have never witnessed before and new drugs, both synthetic and prescription based, create new hazardous material environments and patient complications that require additional training and these are just a few of the examples. All of these situations and more have put the fire service preparation, response and recovery training needs at an all-time high.

## **3. QUALITY OF THIS PROGRAM**

Due to the instructor base of over 75 highly qualified instructors who have a minimum of 15 years' experience in their field of expertise with many having over 30 years, our students are learning from the highest trained individuals available in the field. IEC has one of only two 75' mobile aircraft props used for Aircraft Rescue Fire Fighting, ARFF, in the United States. IEC has access and availability to hundred acre rescue sites with freeway props, train props, high rise buildings, cliffs, water rescue props, bridges, etc. Our training is built to emulate real life incidents under real life conditions while being able to practice and perfect the skills required to successfully accomplish the task at hand. While it is impossible to take in all of the scenarios possible, IEC teaches our students the skills needed so they can adapt their knowledge, skills and abilities to their current situation.

## **4. EXTERNAL ISSUES**

The constant change in both the technological issues related to the fire service, as well as, new local, state and federal mandates requiring additional training not only keeps the curriculum changing, but requires newly sanctioned classes to be administered and usually under a time requirement. Due to the current economic climate, funding has become a challenge for both private and public agencies to host or sponsor classes. We are confident that we will be able to continue to provide reasonable options for entities to ensure on-going education is provided.

## **5. REVENUE AND EXPENSES**

<u>Term</u>	<u>FTES*</u>
2020FA	519.72
2021SP	679.39
2021SU	240.36
2021FA	484.89
2022SP	845.88
2022SU	77.91

\* FTES reported department-wide

**SEE APPENDIX FOR PRIE OFFICE FINANCIALS REPRORT**

- a. State the revenue of the program (using FTE data, grants, and anything else) for the preceding two academic years.
- b. State the expenses of the program (salaries, equipment purchases, contracts, and supplies) for the preceding two academic years.
- c. State the dollar value of in-kind contributions of time and/or resources the preceding two academic years.

## **6. TWO YEAR PLAN**

As a non-profit organization, IEC continues to be in high demand by both private and public agencies trying to meet their training needs. IEC's 40-year reputation and professional personnel with hundreds of years of field and teaching experience are the backbone of IEC's success. Due to the quality and "real life" training provided, most of the IEC's business is by request from new and returning agencies. Many districts are in the process of trying to add curriculum thus providing as many of the courses as they can. Obviously, the more other districts deny our ability to operate within their jurisdictions, the more the local departments suffer, as well as, PVC and IEC. Due to the complexity and staff hours required to make Instructional Service Agreements, ISA's, work, many districts do not want to enter into these arrangements. IEC continues to grow in staff and students as more and more agencies are recommending IEC training to their neighboring service providers. Our training schedule for 2023 has already increased by almost 20% over this past year. Over the past few years we have all heard about supply chain shortages and rising costs. IEC, even as a non-profit, has been hit with rising costs from our office lease to training supplies to the cost of instructors themselves. Our goal at IEC has always been to keep the cost of our classes as low as possible. IEC and PVC's 40 year relationship has always been and will hopefully always be one based upon what is best for the students and for a sustainable future. That shared vision has brought us this far and will continue to carry us forward. The revenue generated from the college apportionment allows IEC to maintain the lowest costs possible for the classes. For almost seven years, 2015, the revenue per hour has remained the same as has the unit cost. Continued evaluation of the hourly rate will greatly help support IEC's and PVC's future endeavors.

## APPENDIX

Object Type	Measure	AY2017-18	AY2018-19	AY2019-20	AY2020-21	AY2021-22
EQUIPMENT AND SUPPLIES - LOCALLY DEFINED OTHER OPERATING EXPENSES AND SERVICES	a) REVISED BUDGET	\$1,177,394.00	\$1,766,824.85	\$1,623,902.50	\$1,939,721.50	\$1,989,160.18
EQUIPMENT AND SUPPLIES - LOCALLY DEFINED OTHER OPERATING EXPENSES AND SERVICES	b) SPENDING	(\$1,770,390.10)	(\$1,640,019.50)	(\$1,623,902.50)	(\$1,939,721.50)	(\$1,949,883.50)
EQUIPMENT AND SUPPLIES - LOCALLY DEFINED OTHER OPERATING EXPENSES AND SERVICES	c) DEVIATION	50.4%	-7.2%	0.0%	0.0%	-2.0%
PERSONNEL - BENEFITS AND INSURANCE	a) REVISED BUDGET	\$0.00	\$710.16	\$379.03	\$274.96	\$309.90
PERSONNEL - BENEFITS AND INSURANCE	b) SPENDING	(\$710.88)	(\$710.16)	(\$379.03)	(\$274.96)	(\$309.90)
PERSONNEL - BENEFITS AND INSURANCE	c) DEVIATION	#DIV/0!	0.0%	0.0%	0.0%	0.0%
PERSONNEL - INSTRUCTIONAL SALARIES, OTHER	a) REVISED BUDGET	\$0.00	\$19,378.84	\$12,278.28	\$8,930.16	\$9,006.08
PERSONNEL - INSTRUCTIONAL SALARIES, OTHER	b) SPENDING	(\$22,567.72)	(\$19,378.84)	(\$12,278.28)	(\$8,930.16)	(\$9,006.08)
PERSONNEL - INSTRUCTIONAL SALARIES, OTHER	c) DEVIATION	#DIV/0!	0.0%	0.0%	0.0%	0.0%
PERSONNEL - STATE TEACHERS' RETIREMENT SYSTEM (STRS)	a) REVISED BUDGET	\$0.00	\$3,086.15	\$2,099.58	\$1,442.21	\$1,523.84
PERSONNEL - STATE TEACHERS' RETIREMENT SYSTEM (STRS)	b) SPENDING	(\$3,256.53)	(\$3,086.15)	(\$2,099.58)	(\$1,442.21)	(\$1,523.84)
PERSONNEL - STATE TEACHERS' RETIREMENT SYSTEM (STRS)	c) DEVIATION	#DIV/0!	0.0%	0.0%	0.0%	0.0%