Program Review Report

Yuba Community College District

YC - Fire Technology Program Recommendations

Program Description: The Fire Technology program is a district-wide program of instruction including Associate Degree, Academy, and Advanced In-Service training courses. It serves students pursuing a transfer degree, those seeking high paying entry level employment following completion of state certified training, and those currently employed in the fire service profession in need of updated skills and knowledge to stay current in their field.
Instruction is organized into the following curriculum:
1. Associate of Science degree in Fire Technology
2. Certificate of Achievement in Fire Technology
3. Fire Fighter I Academy
4. Fire Technology Practicum
5. Fire Officer Certification
6. Advanced In-Service Training

Year of Review: 2012-2013

Type of Review: Annual Update

Executive Summary: A. Courses offered:
1. Five various Fire Technology degree courses (FIRTC 1,2,3,4,5)
2. Two special courses were offered
a. FIRTC-84R: Low Angle Rope Rescues
b. FIRTC 68A: Fire Command 1A (cancelled-low enrollment)
3. Two Fire Academies (FIRTC-64)
4. Fire Practicum Program (on-the-job-training) (FIRTC 64RA & 64RB)
B. Curriculum
1. The local area fire agencies communicated through the Fire Technology Advisory Committee, a request to present a course in "First Responder" (Advanced First Aid) to train area volunteer firefighters. A similar course (AJ-207RA) was offered and had only 10 students, of which only one was a volunteer firefighter.
2. The program has proposed offering a new A.S. Degree. This degree will allow Fire Academy graduates to use all 26 units of the course as the core requirements. Students will still need to complete the College's general education requirements and take enough electives to reach a total of 60 units. The new degree will be called, Fire Technology Academy. The course has been approved at the college level and by the North-Far North Consortium. It was submitted to the State Chancellor in May 2011 and is awaiting approval.
3. Implementation of Student Learning Outcomes (SLO) began in Spring 2011. The core courses that were assessed included FIRTC-1, FIRTC-3, FIRTC-4, and FIRTC-64. The Fire Academy (FIRTC-64) also administered the EMT SLO since that instruction is covered in the Academy.
4. The program hosted the annual Fire Technology Directors Summit in June 2012. The summit included Fire technology Directors, Fire Instructors, Staff from State Fire Training.
C. Staffing
1. The AJ Admin Secretary I is now responsible for all clerical duties associated with the Fire Technology Program. She is also responsible for the AJ and EMT program.
D. Equipment
1. The program was awarded $50,000 for the purchase of a high pressure air compressor for filling SCBA bottles. The

high pressure air compressor was received and is in service.
2. The program was awarded $7,500 for the purchase of Firefighter DVD series which will meet current NFPA standards. The DVD's were received and are being used.
E. Facilities
1. Measure J funding was brought to life in September 2010 when ground breaking began for the new Health & Public Safety building.
2. The new Public Safety facility and fire training tower has been completed and fully functional. The fire academy no longer needs to use outside facilities and pay use fees.

Future Goals and Program Direction:
A. Curriculum
1. Per National and State regulations, EMT-I training hours will increase from 120 hours to 160 hours beginning January 2012. Since EMT is embedded in the Fire Academy, new curriculum was submitted to include the extra instruction.
2. Application of Student Learning Outcomes (SLO) will continue. The core courses still needing assessment include FIRTC-2, and FIRTC-5.
B. Staffing
1. The program continues to recruit new instructors for the Fire Tech degree classes.
2. As POST academies began to start up again, the program's single Admin Secretary I will not be able to handle to the workload for all Public Safety courses.
C. Equipment
1. The program needs to have ladders and hoses safety checked to comply with NFPA standards. This is a potential liability issue if not done. Ladder testing may cost as much $1,500. Hose testing will probably have a similar cost.
2. Self Contained Breathing Apparatus (SCBA) must be fit tested to comply with the standards set by NFPA and OSHA. Fit testing equipment costs approximately $3,000. This again is a liability issue if someone is hurt as a result of a faulty face mask seal.
3. The program is in need of forestry hose which is used in the forestry portion of the fire academy. Our current forestry hose supply is becoming useless from wear and is not safe for students to see the program needs 30 lengths for hose at $140.95 per length which totals $4,228.50 plus tax and shipping.
4. The program needs to replace worn out salvage covers. Salvage covers are use to protect equipment from being damaged from the use of water during live fire training. The salvage covers must meet California State Marshall requirements. The program needs 20 salvage covers at $93.95 per cover totaling $1,879.00 plus tax and shipping.

Curriculum & SLO Assessment Summary :
slo

Recommendations	Plans of Action & Budgetary Impact / Tasks	Status	Feedback & Follow-Up
YC - Fire Technology Program Recommendations - Distance Learning - Explore distance learning for FireTech degree courses. **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:**	**Plan of Action:** If budget allows additional distance learning courses, meet with Media and Adjuncts interested in this presentation method. **Type:** Curriculum/SLO **Budgetary Impact:** Unknown **Perkins Eligible:**		

Recommendations	Plans of Action & Budgetary Impact / Tasks	Status	Feedback & Follow-Up
2. Medium Priority	No		
YC - Fire Technology Program Recommendations - In-Service Courses - Work with Fire Advisory to develop in-service courses **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 2. Medium Priority	**Plan of Action:** Continue to work with local agencies and address their need for courses. Find State qualified instructors for those courses. **Type:** Curriculum/SLO **Budgetary Impact:** Average course is 40 hours or approx $2,400 in Adjunct salary from index account 1320. **Perkins Eligible:** No		
YC - Fire Technology Program Recommendations - SLOs - Administer SLOs for the coming year. **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 3. High Priority	**Plan of Action:** SLOs have been developed. Continue to administer SLOs for Fire Tech courses during the 2011/2012 college year. The core courses that will be administered during this up-coming year are FIRTC-1, FIRTC-2, FIRTC-3, FIRTC-4, FIRTC-5, and FIRTC-64. The Fire Academy will also administer the EMT SLO since it is also covered in the Academy. **Type:** Curriculum/SLO **Budgetary Impact:** Minimal; costs for printing up written testing material in index code 4100		
YC - Fire Technology Program Recommendations - Secretary Position - Hire a Secretary to assist the current Admin Secretary I **Year(s) Requested:** 2011-2012 **Request Date:**	**Plan of Action:** Submit documentation to the Executive Management of the College District the address the need for the program. **Type:** Staffing - Other **Budgetary Impact:**		

Recommendations	Plans of Action & Budgetary Impact / Tasks	Status	Feedback & Follow-Up
10/31/2011 **Recommendation Priority:** 3. High Priority	Increase Program budget code 2110 by $40,000 for Full Time Secretary.		
YC - Fire Technology Program Recommendations - Fire Fighter I & II DVD - The Fire Academy just learned that the incomplete set of VHS tapes they use are not in compliance with NFPA & State Fire Marshal training. They are dated from 1990. The program needs to obtain training media that is in compliance as soon as possible. **Year(s) Requested:** 2011-2012 **Request Date:** 10/01/2011 **Recommendation Priority:** 3. High Priority	**Plan of Action:** Make request through Perkins funding for this one time purchase to meet industry standard. The media needed is 33 DVDs covering the curriculum for the Firefighter I & II Series. **Type:** Equipment/Technology **Budgetary Impact:** $7,500 to purchase the series set. A possible discount of $800 if purchased before the end of this calendar year, per vendor. Otherwise, purchase one DVD at a time at $300 using existing budget. **Perkins Eligible:** Yes		
YC - Fire Technology Program Recommendations - Full Time Faculty - Hire Full Time Faculty to teach in Fire Academy/degree core couses (60%) and to coordinate Fire Academy (40%). **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 2. Medium Priority	**Plan of Action:** Submit Faculty request during Faculty Hiring period. **Type:** Staffing - Faculty **Budgetary Impact:** Approx $60,000 from budget index 1320.		
YC - Fire Technology Program Recommendations - Recruit Instructors - Recruit Fire Tech Instructors who meet college qualifications **Year(s) Requested:** 2011-2012 **Request Date:**	**Plan of Action:** Make request through Fire Advisory and current Fire Tech instructors for potential instructor candidates. **Type:** Staffing - Other **Budgetary Impact:**		

Recommendations	Plans of Action & Budgetary Impact / Tasks	Status	Feedback & Follow-Up
10/31/2011 **Recommendation Priority:** 2. Medium Priority	None		
YC - Fire Technology Program Recommendations - Recruit Instructors-Distance Learning - Recruit Fire Tech instructors who will teach distance learning courses. **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 2. Medium Priority	**Plan of Action:** As new instructors are brought on board, determine their desire to venture down this road. **Type:** Staffing - Other **Budgetary Impact:** None		
YC - Fire Technology Program Recommendations - Recruit Instructors-State Fire Training Certified - Recruit instructors qualified to teach State Fire Marshal courses. **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 2. Medium Priority	**Plan of Action:** Make request through State Fire Training, Fire Advisory, and current Fire Tech instructors for potential instructor candidates. **Type:** Staffing - Other **Budgetary Impact:** None		
YC - Fire Technology Program Recommendations - Fire Academy Coordinator & IA - Increase minimum hours for Fire Academy Staff. Staffing cuts were due to loss of VTEA funding and budget funding cuts. **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 3. High Priority	**Plan of Action:** Make request through college budget process to fund the positions as required. Request $17,000 be added to index code 1380 (Facilitators), and $7,000 be added to index code 2430 (IAs). May consider funding through Perkins IV, but most committee members object to use for personnel costs. **Type:** Staffing - Other **Budgetary Impact:** Add $17,000 to index code 1380. Add		

Recommendations	Plans of Action & Budgetary Impact / Tasks	Status	Feedback & Follow-Up
	$7,000 to index code 2430. **Perkins Eligible:** Yes		
YC - Fire Technology Program Recommendations - SCBA Air Compressor - Replace air compressor to fill SCBA bottles. Current unit keeps breaking. **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 3. High Priority	**Plan of Action:** Perkins IV funding approved already. Submit bids to Purchasing identifying compressor unit to buy. **Type:** Equipment/Technology **Budgetary Impact:** Approx $50,000 **Perkins Eligible:** Yes		
YC - Fire Technology Program Recommendations - Fire Academy Tools-Up grade - Up-grade current Academy tools to meet safety/industry standards such as Pulleys/Ropes, Power Tools (K-12 saw), training DVDs, Nozzles. **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 2. Medium Priority	**Plan of Action:** Make request to increase Instructor Supplies budget (#4300) or Equipment budget (#6430) to purchase needed items. Submit request for Perkins IV funding. **Type:** Equipment/Technology **Budgetary Impact:** Approx $3,000 increase to current budget. **Perkins Eligible:** Yes		
YC - Fire Technology Program Recommendations - Fire Academy Tools-Replacement Program - Develop a replacement program for equipment susceptible to wear such as ladders, hose, ropes, litter/baskets, protective clothing, tools (axes, etc) **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011	**Plan of Action:** Make request to increase Instructor Supplies budget (#4300) or Equipment budget (#6430) to purchase needed items. **Type:** Equipment/Technology **Budgetary Impact:** Approx $4,000 increase to current budget. **Perkins Eligible:** No		

Recommendations	Plans of Action & Budgetary Impact / Tasks	Status	Feedback & Follow-Up
Recommendation Priority: 3. High Priority			
YC - Fire Technology Program Recommendations - Live Fire Props - Need to construct live fire props **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 3. High Priority	**Plan of Action:** Determine types of fire props needed (car, stove, etc). Obtain a propane tank and run propane line(s) to fire prop pad area. **Type:** Equipment/Technology **Budgetary Impact:** Approx $2000 for materials. Use Measure J funds or budget code 6430 funds **Perkins Eligible:** Yes		
YC - Fire Technology Program Recommendations - Ventilation Roof Prop - Need to construct a roof ventilation prop **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 3. High Priority	**Plan of Action:** Determine location for prop at new training site. Purchase steel framing & wood for project construction. **Type:** Equipment/Technology **Budgetary Impact:** Approx $1000 for material. Use Measure J funds or budget code 4300 funds. **Perkins Eligible:** No		
YC - Fire Technology Program Recommendations - PT Running Pathway - Need designated running pathway for Physical Training (PT). **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 2. Medium Priority **Supporting Evidence (SLO, WSCH, etc.):**	**Plan of Action:** Survey existing property around college and construct a pathway that will have multi-use **Type:** Facilities **Budgetary Impact:** Approx $0.3 million for construction of gravel type pathway **Perkins Eligible:** No		

Recommendations	Plans of Action & Budgetary Impact / Tasks	Status	Feedback & Follow-Up
Current PE facilities are over booked and are normally unavailable.			
YC - Fire Technology Program Recommendations - EVOC Driving Course - Need for EVOC driving course **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 2. Medium Priority	**Plan of Action:** As noted on Measure J, Health & Public Safety building plans, develop and construct an EVOC driving course **Type:** Facilities **Budgetary Impact:** Approx $2.0 million for construction of driving course **Perkins Eligible:** No		
YC - Fire Technology Program Recommendations - Bleachers for Fire Tower Training Area - Need bleachers in the area of the Fire Training Tower area. **Year(s) Requested:** 2011-2012 **Request Date:** 10/31/2011 **Recommendation Priority:** 2. Medium Priority **Supporting Evidence (SLO, WSCH, etc.):** Offers students a place to sit while outside performing Fire Tower training exercises.	**Plan of Action:** Arrange for movement of old portable bleachers (2 units) from old PE track field to Fire Training Tower area. **Type:** Facilities **Budgetary Impact:** Approx $1000 or determine if maintenance can do **Perkins Eligible:** No		