Program Creation Proces

Certificate of Achievement in Heating, Ventilation, Air Co

Program Title

Program Purpose

Type of Program

Program Length

___rce documentation
X___ Catalog Description
X___ List of Courses

___ Catalog Description
___ List of Courses

(i.e. faculty, equipment, etc.) (NONE)

Tra

Comments:

Vice

FOOTHILL COLLEGE
Credit Prograr

Item 2. Catalog Descrip

The Certificate of Achievemer Heating, Ventilation, Air Conditioning, and Refrigeration program is
conducted in partnership with the Joint Apprenticeship Committee Training Center of the UA Local #447
apprenticeship program of Sacramento and Yolo Counties. The
ing a minimum of 9,000 hours of

nd
erved

n program will be employable as: Commercial/Industrial Journeyman Refrigeration
HVAC Mechanic, Foreman, Genera Plan, Service Manager in almost any industry. Industries
resort destinations, shopping centers and malls, residential ho
and waste treatment facilities. Labor Market Analysis indicates increa
Pipe Trades through 2020. Students earning Certificate of Achiev
Conditioning, and Refrigeration will increase their mar abilit
apprenticeship classes is limited to apprentices registered with

ed employment opp s in the
ment in Heating, Ventilation, Air
and er
he California Division of Apprenticeships

meet ma of the
ate in Science degree in Heating, Ventilation, Air Conditioning, and Refrigeration.

requirements for the Asso

the apprenticeship program based on obtaining a passing (65%) score on a
h and mechanical reasoning. Students who
act for
o the apprenticeship program.

Students are mitted in
ma

sponsorship in

Item 3. Progr

m Req

ts	Course #	N	Units	USAGE	RGET	

		Pneumatic Controls				Yr 4, Fall
	APPR 162	Controls Refrigeration & Hydro	4.5	4.5		Yr 4, Winter
	APPR 167	Piping, BA STAR Start, Test, & Balance	4.5			Yr 5, Fall
	APPR 168	Supermarket Refrigeration	4.5			Yr 5, Winter

Required Major Total	45 units

Proposed Sec

The Certificate of Achievement in Heating, Ventil

Heating, Ventilat

ents from

complete the required one-

partnership with the UA Local #447 Joint Apprenticeship Committee Training Center of Sacramento and Yolo Counties is unique in the college service area.

Appe
Lab por Mar dix A:
, Air Cond itioning t An al ys is
for Sacr mento a and R efr
from 20 d Yo o C gera tion Employment
– 20 2 ount ies

Occupation	2012	2022	Change [1]	2022	Change	New Jobs	Jobs Needs [2]	Median	Median	Entry Level	Work	On-the Job
Other Installation, Maintena												

Appendix B:

Minutes of Advisory Committee Meeting

Conferring Approval for Certificate and Degree Program

Partnership with Foothill College