


APPENDIX D

Signature Pages For Completed Program Reviews

Name of Program Reviewed: Associate of Applied Science - Heating, Ventilation, Air Conditioning, Refrigeration


Director or Faculty of Record

7-12-17 + HVAC-R Certificate
Date of Review


Curriculum Team Chair

7-12-17
Date of Review


Dean of Academics

7-12-17
Date of Review

Curriculum Team Recommendations:

Criteria	Maintain a Program	Enhance a Program	Reconfigure a Program	Reduce or Phase-out a Program
Quality and Strength of the Program as Determined from Assessment Information	The program's quality is substantial and notable.	The program's quality is substantial but could be strengthened through curricular and/or other program enhancements, e.g. providing additional resources, adding or deleting courses.	The program's quality could be strengthened through reconfiguration, e.g. substantial modification of the curriculum and the reorganization of faculty.	The program's quality and/or contribution to the institution is not substantial enough to justify its continuance.
Enrollment	The program's enrollment is strong.	The program's enrollment is adequate but could be strengthened.	The program's enrollment needs to be strengthened.	The program's enrollment does not meet the expectations for continuance.
Ability to Benefit and Positively Impact Cankdeska Cikana Community College	Relationships, partnerships, and/or alliances are strong. This Program benefits the overall mission of the college.	Relationships, partnerships, and/or alliances could be developed to strengthen the program.	Relationships, partnerships, and/or alliances need to be reconfigured in order to positively impact the college.	Relationships, partnerships, and/or alliances are not positively impacting the college. The program's reduction or phase-out would not adversely impact other programs.
Cost Effectiveness	The program sustains itself and is a financial asset to the college.	The program could provide more financial gain with additional efforts.	The program's financial expenditures need to be reconfigured in order to be more cost effective.	The program is not cost-effective.

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Program Review – AAS in HVAC-R and HVAC-R Certificate

Program Description

A. Role of the Program

- a. The Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC-R) Program at Cankdeska Cikana Community College (CCCC) was designed to provide hands on training to CCCC students which would allow them to enter the workforce as HVAC-R technicians. The Associate of Applied Science (AAS) degree was approved by the CCCC curriculum team and was implemented in the fall of 2012. The AAS degree currently contains core classes that total 51 credit hours along with 32 credit hours of essential studies courses as required by CCCC. A HVAC-R certificate was also created to allow students to earn a certificate in one year. Currently the certificate has 32 credit hours of core classes and six credit hours of institutionally specified culture related courses.

B. Current Staff

- a. CCCC currently doesn't have an HVAC-R instructor. Arthur Carmona was hired as the HVAC-R instructor upon implementation of the program and continued in that role until he pursued other employment opportunities in the fall of 2016. Two other faculty members have assisted the students, who were already enrolled in the HVAC-R program, on a part-time basis to assist with completion. No new students have been accepted into the program since the fall of 2016. The full-time faculty member taught between 15-18 credits each semester. The part-time faculty teach between 3-6 credits per semester.

C. Program Productivity Summary

- a. The following table shows enrollment in the HVAC-R program for the last five years. This demonstrates a steady decline in students since implementation in the fall of 2012. Since implementation, one student has been awarded an AAS degree and nine students have earned a HVAC-R certificate. There are currently none of the ten students employed in the HVAC-R field. One of the certificate students is currently attending CCCC and working towards a certificate in another program.

	AAS	Certificate
2012 Fall	15	0
2013 Spring	22	0
2013 Fall	16	0
2014 Spring	7	0
2014 Fall	10	0
2015 Spring	10	0
2015 Fall	11	3
2016 Spring	4	4
2016 Fall	3	3
2017 Spring	1	2

D. Program Revenue

- a. The only revenue generated by the HVAC-R program is the tuition and fees collected from the students throughout the last 5 years. HVAC-R students represented 9% of the total student enrollment at the peak and just under 2% this past semester.

E. Program Budget

- a. The HVAC-R program was funded by the DEMAND grant which also funded the plumbing program. Money from the DEMAND grant was used to renovate the old gymnasium into a state of the art HVAC-R lab as well as a classroom and offices. The DEMAND grant also purchased equipment such as pickups and trailers for the HVAC-R students to travel to jobsites.

F. Advisory Team

- a. An advisory team was formed and met at least once a year.