

Assessment, Improvement, Measurement (AIM) Report: 03/12/2015

Reporting Years: 2011-2016

Program: Air Conditioning Technology

Coordinator(s): Edwin Taylor, Karman Wheeler

Program Quality and Student Success

External awards or other recognitions of students, faculty, and/or program.

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Students				Students receive and are awarded Industry based Certifications	
Faculty				none	
Program (include accreditation if applicable)				none	

Average actual time and credits to degree completion.

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
General Education Credit Hours					
Technical Credit Hours					
Total Credit Hours					
Number of Graduates					
Average Actual Time to Degree					
Average Actual Credits to Degree					

Employer and student satisfaction.

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Employer Satisfaction Survey Results	100% (1/1)	80% (8/10)	100% (2/2)	0 responses	
Graduate/student satisfaction	100% (7/7) 2010 grads	100% (13/13) 2011 grads	100% (8/8) 2012 grads	100% (4/4) 2012-13 grads	
Advisory Board/Employer Recommendations for Improvement					

Job placement data for program graduates.

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Number of graduates	8 surveyed (2010 grads)	14 surveyed (2011 grads)	9 surveyed (2012 grads)	4 surveyed (2012-13 grads)	
Number of graduates gaining employment	5	14/14	8 employed; 7 in field	4 employed; 4 in field	
Percentage of graduates gaining employment	62.5%	100%	89%; 78% in field.	100%; 100% in field	
KY Unemployment Insurance job data	UI match=75%	UI match 80%+	UI = 78.6%	78.6% (n=14)	

Pass rates on licensure/certification exams (if applicable).

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Total # graduates attempting		22	14 grads (2011-12)	14	
Total # passing on first attempt		16	unknown	11	
Total # passing after multiple attempts			unknown		
Pass rate of all attempting		73%	71% (10 of 14)	79%	

Productivity and Funding

Student measures.

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Enrollment (Academic Year)					
Fall Enrollment	116 (Fall 2010)	100 + 18 pending (Fall 2011)	88 (Fall 2012)	77 (Fall 2013)	
Credentials Conferred	13AD; 15 dip; 18 certs (2010-11)	9 AD; 13 dip; 39 certs (2011-12)	7 AD, 11 dip, 39 certs (2012-13)	16 AAS; 20 dip; 60 certs (2013-14)	
Credit hour production					

Student credit hour per instructional faculty FTE.

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Student credit hour per instructional faculty FTE.		179 (Fall 2011)			

Extramural funding.

Source of Funding	2011-2012
No funding sources	

Source of Funding	2012-2013
2012 Perkins - residential combustion analyzer	\$3,000.00

Source of Funding	2013-2014
2013 Perkins - A/C and heat pump skills trainers, refrigeration training system.	\$20,200.00

Source of Funding	2014-2015
No funding sources	

Source of Funding	2015-2016
No funding sources	

Comments (2012-2013)

Roles	Comments
Coordinator	
1. Strengths of the Program	Program is full and maintains a waiting list of interested students.
2. Items Requiring Continued Attention	
3. Document and provide evidence indicating how last year's program review resulted in improvements in the program.	Students take industry assessment exams at the end of most classes. The students receive Industry certificates after passing the exam. Currently all classes except ACR170 , and ACR102/103 take industry exams.
Assistant Dean	ACR is in line with industry needs which are annually adjusted with input from the industrial advisory board. The coordinator and instructors accommodate as many students as feasible and the program is doing a great job of satisfying the community's needs. I agree with the coordinator's comments.
Dean	Air Conditioning Technology has excellent faculty (one full time person and 2 part-time evening faculty) and a strong advisory committee who are passionate about the program and the graduates they employ. The class student numbers are all that the college can handle based on the classroom space and lab space available. I agree with the coordinator comments.
Vice President	Air Conditioning Technology is an excellent program meeting critical industry needs. Ed, Mike, and Bonnie provide strong and visionary leadership. I encourage them to continue considering how to build weekend/evening enrollments. I am concerned that the ratio of full-time-equivalent students to full-time-equivalent faculty has decreased from 15.1 to 11.9 over the past year.

Comments (2013-2014)

Roles	Comments
Coordinator	
1. Strengths of the Program	The HVAC Program maintains a waiting list of prospective students. This is necessary even with running classes

	during the day, evenings, and weekends.
2. Items Requiring Continued Attention	The HVAC Program has one full time and 2 adjunct faculty. There is a great need for another full time faculty.
3. Document and provide evidence indicating how last year's program review resulted in improvements in the program.	?
Assistant Dean	The Air Conditioning program is a strong program offering industry verified needs. Enrollment and retention is strong and the wait list process is administered diligently by the coordinator to accommodate as many students as possible. I agree with the coordinator's comments.
Dean	Strong program with good attendance and supportive advisory members. Agree with AD and coordinator's remarks.
Vice President	I agree with Assistant Dean and Dean comments. Ed is to be congratulated for leading a strong and efficient program that has strong enrollments, partly because of his innovative weekend offerings.

Comments (2014-2015)

Roles	Comments
Coordinator	
1. Strengths of the Program	The HVAC Program maintains a waiting list of prospective students. This is necessary even with running classes during the day, evenings, and weekends. The program has many various trainers for the students to practice the hands on components of Heating, Air Conditioning and Refrigeration. The program full time faculty member is augmented by two excellent part time adjunct faculty. Most HVAC classes require the students to take an industry based certification exam as either their final or mid term exam. The students gain Industry Certifications while still in school.
2. Items Requiring Continued Attention	The HVAC Program is still in need of one additional full time faculty member. The continued technology advancements in HVAC/R will necessitate
3. Document and provide evidence indicating how last year's program review resulted in improvements in the program.	
Assistant Dean	The Air Conditioning program continues to be a strong program offering industry verified needs. The program still has good advisory committee involvement. Enrollment and retention is strong and the wait list process is administered diligently by the coordinator to accommodate as many students as possible. Degrees awarded has increased, which is an excellent indicator of program sustainability.
Dean	Concur with AD's remarks. Coordinator should complete # 3 listed above.
Vice President	I concur with Assistant Dean and Dean comments. An additional full-time faculty member is not likely at this time. Like with all other technical programs, I encourage the program to consider additional apprenticeship and other industry sponsorship opportunities.