

Assessment, Improvement, Measurement (AIM) Report: 03/13/2015**Reporting Years:** 2011-2016**Program:** Industrial Maintenance**Coordinator(s):** Jarvis Long, 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					
Faculty					
Program (include accreditation if applicable)					

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% (3/3)	100% (8/8)* PAC survey	0 responses	
Graduate/student satisfaction		100% (19/19) 2010-11 grad surveys	100% (22/22) 2011-12 grad survey	96% (22/23) 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		15 surveyed (2010-11 grads)	25 surveyed (2011-12 grads)	25 surveyed (2012-13 grads)	
Number of graduates gaining employment		12	24 employed; 19 in field	25 employed; 22 in field.	
Percentage of graduates gaining employment		80%	96%; 76% in field.	100%; 96% in field.	
KY Unemployment Insurance job data		UI=83%	UI=93%	93.4% (n=61)	

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

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Total # graduates attempting					
Total # passing on first attempt					
Total # passing after multiple attempts					
Pass rate of all attempting					

Productivity and Funding

Student measures.

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Enrollment (Academic Year)					
Fall Enrollment		137 (Fall 2011)	160 (Fall 2012)	170 (Fall 2013)	
Credentials Conferred		55 AD, 57 dip, 112 certs (2011-12)	33 AD; 33 dip; 78 certs (2012-13)	49 AAS;48 dip;129 certs (2013-14)	
Credit hour production		823 (Fall 2011)	1,086 (Fall 2012)		

Student credit hour per instructional faculty FTE.

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Student credit hour per instructional faculty FTE.		130 (AMC), 134 (D), 167 (L)	172 (AMC), 173 (D), 198 (L)		

Extramural funding.

Source of Funding	2011-2012
No funding sources	

Source of Funding	2012-2013

No funding sources	
Source of Funding	2013-2014
2013 Perkins - servo positioning module, EMS modules, motor controls	\$105,000.00
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	The IMT program continues to have highly experienced, cross-trained instructors who are able to provide instruction in other division programs. This means greater flexibility in meeting student needs. Student evaluations remain high. However, the Industrial Maintenance Technology program is most proud of the fact that our students continue to experience a very high success rate of success in finding career employment upon graduation.
2. Items Requiring Continued Attention	Student enrollment at the Danville campus continues to grow, and lack of floor space there continues to be a major issue. Quoting from our 2011-2012 Program Health Review, ♦♦Danville has only one dedicated lab/classroom for IMT. This one room has to store all the lab equipment for three different technical classes. ♦has to be rearranged seven times a week to accommodate these different classes. ♦the Electrical Technology program students also utilize this lab equipment and classroom. Due to space limitations (within this room itself), the class cap has been set at 12 students.♦ This situation in Danville has not changed during the past year, and it continues to be a major concern for the IMT program.
3. Document and provide evidence indicating how last year's program review resulted in improvements in the program.	The Danville Campus has continued (successfully) to offer night classes to accommodate more students. While this has brought some relief to the floor space/overcrowding issue, it has done little toward actually solving the problem. At Leestown, we expanded our summer class offerings from one in 2011 to two classes during 2012 Summer Session. This has been strongly supported by the student body; consequently, plans call for offering IMT 150/151 and FPX 100/101 again during the 2013 Summer Session.
Assistant Dean	The Industrial Maintenance Technology program has high scores for Student Satisfaction (100%), Employer Satisfaction for technical classes/proficiency (100%), and Employer Satisfaction for General Education courses (100%) for this reporting period. . The reported Job placement figures are down from 100% in the 2009 2010 school year but show an increase from 50% for the 2010 2011 school year to 80% for the 2011 2012 school year. The economy was sluggish during the last two years but manufacturing in the Bluegrass Region shows signs of rebounding and it is hoped will return to normal figures for the area. The placement rate will be monitored for the coming year and reevaluated at that time. The Industrial Maintenance Technology program continues to have strong enrollment and a high number of credentials issued for the reporting period. According to the KCTCS 2010 2011 Fact Book the program issued 184 credentials which included associate degrees, diplomas, and certificates. This was up from 179 for the preceding reporting period. This number accounts for 4.98% of all credentials issued at Bluegrass Community and Technical College for the reporting period.

	Please see below. http://www.kctcs.edu/~media/System_Office/About/Factbook%2012/1_Factbook_11-12_WEB_2.ashx Prior to 2009 2010 school year student Retention scores have been above 50% for the Industrial Maintenance Technology program. Beginning in 2009 2010 a large number of WIA, WIB, and TIA students returned to school as the economy forced many companies in the area to lay off workers. This may have contributed to a larger number of workers with needs for transitional/remedial courses which adversely affected the retention rates. According to data available from the BTC Retention Committee individuals with low Reading, Writing, and Mathematics scores have higher dropout rates historically. The retention scores for the Industrial Maintenance Technology program for the 2011 2012 reporting period were 100%. The figures will be monitored in the coming reporting period.
Dean	Excellent, in demand program. I concur with statements of the Assistant Dean and the Coordinator.
Vice President	

Comments (2013-2014)

Roles	Comments
Coordinator	
1. Strengths of the Program	The IMT program continues to have highly experienced, cross-trained instructors who are able to provide instruction in other division programs. This means greater flexibility in meeting student needs. Some more of our equipment needs have been met in the past year; however, this must continue if we are to provide instruction that is current and relevant to today's work environment. The Industrial Maintenance Technology program is most proud of the fact that our students continue to experience a very high success rate of success in finding career employment upon graduation. Employer evaluations of our graduates also remain high.
2. Items Requiring Continued Attention	Inadequacy of facilities at the Danville campus has not changed in the past year, and lack of floor space there continues to be a major issue. To describe the situation there, I don't believe that I can improve upon this quote from our 2011-2012 Program Health Review, ♦♦Danville has only one dedicated lab/classroom for IMT. This one room has to store all the lab equipment for three different technical classes. ♦has to be rearranged seven times a week to accommodate these different classes. ♦the Electrical Technology program students also utilize this lab equipment and classroom. Due to space limitations (within this room itself), the class cap has been set at 12 students.♦ This crisis in Danville is hampering the growth and success of the IMT program there, and it continues to be one of our major concerns. However, there is an issue of even greater immediate concern to the IMT program. Recent retirements--as well as those planned for this year--have/will thin our instructor ranks to the point where student learning is impacted. We feel that it is absolutely critical that these empty positions be filled in order to maintain a high level of service to our students--and to continue to grow the IMT program at all of our campuses. Repair and replacement of outdated equipment is an ongoing and never ending issue that requires continuous diligence and continual funding.
3. Document and provide evidence indicating how last year's program review resulted in improvements in the program.	The Danville Campus has continued (successfully) to offer night classes to accommodate more students. While this has brought some relief to the floor space/overcrowding issue, it has done little toward actually solving the problem. At Leestown, we expanded our summer class offerings from one in 2011 to two classes during 2012 and 2013 Summer Sessions. This has been strongly supported by the student body; consequently, plans call for offering IMT 150/151 and FPX 100/101 again during the 2014 Summer Session.
Assistant Dean	The Industrial Maintenance Technology program has high scores for Student Satisfaction (100%), Employer Satisfaction for technical classes/proficiency (100%), and Employer Satisfaction for General Education courses (100%) for this reporting period. The reported Job placement figures are up from last year's figures. The program had a 80% placement rate in the 2009 2010 school year and a 96% placement rate in 2013-2014. Manufacturing in the Bluegrass Region has rebounded since a low in 2010. It is forecast to remain strong and even increase in the next reporting period. The Industrial

	Maintenance Technology program continues to have strong enrollment and a high number of credentials issued for the reporting period. According to the KCTCS 2012 2013 Fact Book the program issued 224 credentials which included associate degrees, diplomas, and certificates. This represents 6.27 percent of all the credentials awarded by Bluegrass Community and Technical College. This is in keeping with the data from the last several years. The program issued 179 credentials in 2009-2010 and 184 for the 2010-2011 reporting period. Please see below. http://www.kctcs.edu/About_KCTCS/KCTCS_Factbook/2012-13_Fact_Book.aspx
Dean	Agree with AD and coordinator comments. Strong program with good enrollment and good number of graduates. Increased numbers being hired now. Advisory support is excellent and faculty are hard-working, energetic and knowledgeable who are most adaptable when the needs arise.
Vice President	I agree with Assistant Dean and Dean comments. Given that the college's fiscal realities will necessitate another close look at this program to determine how we can effectively and efficiently meet student and industry needs, the future is bright for this program to be housed only on the Danville and (new) Georgetown campuses.

Comments (2014-2015)

Roles	Comments
Coordinator	
1. Strengths of the Program	The IMT program continues to have highly experienced, cross-trained instructors who are able to provide instruction in other division programs. This means greater flexibility in meeting student needs. However, the Industrial Maintenance Technology program is most proud of the fact that our students continue to experience a very high success rate of success in finding career employment upon graduation. Employer's interest in our graduates has not been higher in the past 10 years here at BCTC. This was made evident by the standing-room only attendance at our most recent Employers Advisory Committee meeting.
2. Items Requiring Continued Attention	Our instructor ranks continue to be thin, with most carrying a teaching overload on a regular basis. Repair and replacement of outdated equipment is an ongoing and never ending issue that requires continuous diligence and continual funding. The floorspace issue at the Danville campus has not changed.
3. Document and provide evidence indicating how last year's program review resulted in improvements in the program.	We have continued to offer summer classes to the maximum extent possible.
Assistant Dean	The Industrial Maintenance Technology program has high scores for Student Satisfaction (96%) and Employer Satisfaction for technical classes/proficiency (100%) for this reporting period. The reported Job placement figures are up from last year from 76% to 96%. The Industrial Maintenance Technology program continues to have strong enrollment and a high number of credentials issued for the reporting period. The program issued 49 AAS degrees in 2014-15 which is up from the 33 last year. The program in Georgetown is gaining international recognition by German companies. The program also maintains a close relationship with industry partners and KyFame.
Dean	Excellent program with comments that I agree with from coordinator and AD.
Vice President	I concur with Assistant Dean and Dean comments. The new AMT Program, which is an offshoot of IMT, is gaining this area much deserved national exposure. I encourage faculty to embrace the Core Manufacturing Exercise discussion that is beginning within the division. Like with all other technical programs, I encourage the program to consider additional apprenticeship and other industry sponsorship opportunities.

