

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

**Reporting Years:** 2011-2016

**Program:** Computer and Information Technology

**Coordinator(s):** Melanie Williamson, Dana Brown, Karman Wheeler, Deborah Holt

### 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	40 AAS (2010-11)	31 AAS (2011-12)	27 AAS (2012-13)	26 AAS (2013-14)	
Average Actual Time to Degree	4.96 years	4.07 years	5.1 years	3.97 years	
Average Actual Credits to Degree	92.5	92.9	92.4	86	

**Employer and student satisfaction.**

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Employer Satisfaction Survey Results		100% (7/7)	100% (5/5)	0 responses	
Graduate/student satisfaction		96% (23/24) 2010-11 grad surveys	88.5% (23/26) 2011-12 grad survey	100% (18/18)	
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		22 surveyed (2010-11)	28 surveyed (2011-12)	19 surveyed (2012-13)	

		grads)	grads)	grads)	
Number of graduates gaining employment		16	24 employed; 12 in field	17 employed; 12 in field	
Percentage of graduates gaining employment		73%	86%; 43% in field	89%; 63% in field	
KY Unemployment Insurance job data				n/a	

**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)	544 (2010-11)	589 (2011-12)	543 (2012-13)	514 (2013-14)	
Fall Enrollment		396 (Fall 2011)	399 (Fall 2012)	375 (Fall 2013)	
Credentials Conferred	40 AAS (2010-11)	31 AD; 71 certs (2011-12)	27 AD; 52 certs (2012-13)	26 AAS; 104 certs (2013-14)	
Credit hour production	14,620 (2010-11)	13,526 (2011-12)	12,517 (2012-13)	11,514	

**Student credit hour per instructional faculty FTE.**

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Student credit hour per instructional faculty FTE.	477.8 (2010-11)	463.2 (2011-12)	467 (2012-13)	464 (2013-14)	

**Extramural funding.**

Source of Funding	2011-2012
No funding sources	

Source of Funding	2012-2013
2012 Perkins - Cisco remote access equipment,	\$170,000.00

CIT computer labs	
<b>Source of Funding</b>	<b>2013-2014</b>
2013 Perkins - tablets for faculty, server for networking courses	\$40,000.00
<b>Source of Funding</b>	<b>2014-2015</b>
2014 Perkins - Surface tablet, hard drive upgrades	\$1,500.00
<b>Source of Funding</b>	<b>2015-2016</b>
No funding sources	

### Comments (2012-2013)

Roles	Comments
<b>Coordinator</b>	
1. Strengths of the Program	We have 396 unduplicated students in the CIT program. We have a student satisfaction rate of 96% and an employer satisfaction rate of 100%.
2. Items Requiring Continued Attention	Continue working with IR to improve the alumni survey response rate. Continue working with our students to have them declared as CIT majors.
3. Document and provide evidence indicating how last year's program review resulted in improvements in the program.	The CIT faculty helped locate additional alumni so that IR could contact them. The CIT faculty made a concerted effort to correct identify our program majors. CIT coordinators and the CSIS Assistant Dean worked with KCTCS to more accurately identify our program on the application for admission to the program. We hope this helps clarify our program to interested students.
<b>Assistant Dean</b>	The CIT coordinators are continuing their efforts to have our CIT majors accurately classified. We are also implementing the new CIT curriculum this academic year, which we hope will attract more new students to this program. We continue to work closely with IR staff in order to better reflect our program's true enrollment and have students identified correctly for administrative purposes, such as Perkins.
<b>Dean</b>	The CIT program is growing and trying (within budget constraints) to add new and innovative programming to meet industry needs.
<b>Vice President</b>	CIT is an excellent program meeting critical industry needs, and I applaud the efforts to add new innovative program options. While the ratio of full-time-equivalent students to full-time-equivalent faculty is a strong 18.0, this number is down from 19.8 two years ago.

### Comments (2013-2014)

Roles	Comments
<b>Coordinator</b>	
1. Strengths of the Program	1. Multiple pathways for our students. 2. Curriculum that is updated regularly and is changed based on Advisory Board and Industry needs. 3. Several areas that fall into the top 5 of the Kentucky job projections through 2018.

2. Items Requiring Continued Attention	1. Continued development of virtualization curriculum. 2. Continue working with statewide committee address needs that we have heard from our local advisory board.
3. Document and provide evidence indicating how last year's program review resulted in improvements in the program.	1. We are developing a manner to identify CIT students that are not currently declared as such. By working with IR we have a current list of our students and can compare those in our classes with those on the list. 2. CSIS Assistant Dean is monitoring the progress being made by a local BCTC committee to make applying to BCTC's CIT/CS/INF departments. 3. We worked with System Public Relations to photograph our new labs on Newtown and to publicize the Informatics department. This is something we will continue seeking funds for the whole department with emphasis on the growing areas of informatics and virtualization.
<b>Assistant Dean</b>	The CIT program continues to be a strong, vibrant program with enrollment consistently around the 400 mark. Our faculty work closely with the statewide CIT Curriculum Committee to keep the CIT curriculum as up to date as possible within the restrictions of the KCTCS curriculum development process, using feedback from our graduates and the CIT Program Advisory Committee. We have had preliminary discussions within the program on possibly expanding the Cooperative Education program to give graduates more real-world experience before entering the work force. The CIT program and faculty are now located in the new Classroom Building on the Newtown campus where new labs make expanding the program possible; a continuing challenge is promotion of our program and the entire Newtown campus. Efforts must be increased regarding promotion of not only the CIT program but all programs at Newtown. This needs to be a college-wide effort with direct involvement and input from the faculty who know the program and local employment opportunities best. One of the main strengths of the CIT program is the strong involvement of the faculty in leadership at all levels of the college and system as well as in professional organizations at the state and national level. Their dedication to professional development and improving the CIT curriculum is beyond commendable. One of the primary emphases this year is expanding transfer opportunities for CIT students to several universities in Kentucky.
<b>Dean</b>	I concur with all comments and suggestions.
<b>Vice President</b>	I agree with Assistant Dean and Dean comments. This program has some of strongest and most innovative faculty at the college; it is a real tribute to the college!!

### Comments (2014-2015)

Roles	Comments
<b>Coordinator</b>	
1. Strengths of the Program	1. Multiple pathways for our students. 2. Curriculum that is updated regularly and is changed based on Advisory Board and Industry needs. 3. Several areas that fall into the top 5 of the Kentucky job projections through 2018. 3. Faculty that are involved in multiple national professional organizations within the computing area. 4. Continued growth of tracks within CIT based on advisory board input. The addition of a Gaming track within CIT is a direct result of local needs being address for the BCTC CIT program.
2. Items Requiring Continued Attention	1. Continued development of virtualization curriculum. 2. Continue working with statewide committee address needs that we have heard from our local advisory board. 3. Continue effort of correctly identifying students as Computer & Information Technologies degree seeking.
3. Document and provide evidence indicating how last year's program review resulted in improvements in the program.	1. We are developing a manner to identify CIT students that are not currently declared as such. We saw evidence that a new KCTCS process allowing students to update their own major may have contributed to improvements. Questions about timing of major change and the Financial Aid implications needs to be addressed. In addition, there needs to be continued work in the ability for students to identify a focus area when choosing AS as their major. We currently offer CS and INF as focus areas. 2. BCIS Assistant Dean is monitoring the progress being made by a local BCTC committee to make applying to BCTC's CIT/CS/INF departments. 3. Continued effort in

	advertising the Informatics focus area and the new Gaming track within CIT that is currently going through the System approval process.
<b>Assistant Dean</b>	The CIT program continues to be a strong, dynamic program with enrollment increasing at a time when the college as a whole is continuing to experience enrollment decreases. Our faculty work closely with the statewide CIT Curriculum Committee to keep the CIT curriculum as up to date as possible within the restrictions of the KCTCS curriculum development process, using feedback from our graduates and the CIT Program Advisory Committee. We have had preliminary discussions within the program on possibly expanding the Cooperative Education program to give graduates more real-world experience before entering the work force. A new option in Programming for Gaming is close to its final approval step at the system level, with pilot implementation planned for fall, 2015. This option has been developed jointly with the IMD program. One of the main strengths of the CIT program is the strong involvement of the faculty in leadership at all levels of the college and system as well as in professional organizations at the state and national level. Their dedication to professional development and improving the CIT curriculum is stellar.
<b>Dean</b>	I concur with all comments and suggestions.
<b>Vice President</b>	I agree with the Assistant Dean and Dean comments. The CIT program is a cornerstone program at the college. The faculty and leadership are to be commended for their vision and dedication!