Bachelor of Science in Computer Information Systems - Implemented Continuous Improvement

Implemented Improvement: Offer clear paths to degree completion.

Outcome: Program Course Completion.

Action: Program faculty reviewed and recommended changes to all program course prerequisites to remove prerequisites unnecessary for student success, improve program sequencing, and ensure prerequisite courses offered the higher level of skills needed to successfully pass the course. The approved changes in the table below took effect in the 2015-2016 academic year.

Course	Original	Updated	Reason
CISK 305	BCIS 1332, ITSE 2417, ITSE 1401, CISK 330, CISK 331, CISK 332, or other program language	CISK 340, 341, 342, 343	Higher level of skills needed to succeed
CISK 351	CISK 330, 331, 332, 340	CISK 340, 341, 342, 343	Higher level of skills needed to succeed
CISK 480	CISK 340, 343, 440	CISK 340, 341, 342, 343	Improve Sequencing
CISK 478	CISK 476	CISK 348	Improve Sequencing
CISK 476	INTW 2321, CISK 347	CISK 348	Improve Sequencing
CISK 343	ITSE 2421, CISK 330	CISK 330, 331, 332	Improve Sequencing
CISK 332	CISK 331	CISK 303	Improve Sequencing
CISK 330	ITSE 1401, CISK 331	CISK 303	Improve Sequencing
CISK 312	BCIS 1301, COSC 1301, CISK 300	None	Not required for success
CISK 303	CISK 300	None	Not required for success
CISK 315	BCIS 1301, COSC 1301, CISK 300	None	Not required for success
CISK 346	COSC 1301, CISK 300	None	Not required for success
CISK 347	COSC 1301, CISK 300	None	Not required for success
CISK 450	COSC 1301, Advanced CISK, ACCK	None	Not required for success

Evaluation: Students succeeded in courses at an average rate of 44% to 46% between Fall 2012 and Fall 2014. Success rates began to improve as instructors made allowances for students. With the implementation of the updated prerequisites in Fall 2015, students began to complete courses at a rate of four out of five, or better overall. Rates dipped below four out of five in rare instances. Overall, the change improved students' ability to complete these courses.

Data: The table demonstrates the percentage of program students completing all sections of the courses offered for the indicated semester.

Course	2012 Fall	2013 Spr	2013 Sum	2013 Fall	2014 Spr	2014 Sum	2014 Fall	2015 Spr	2015 Sum	2015 Fall	2016 Spr	2016 Sum	2016 Fall
CISK 300	50	46	50	41	44	42	66	90	94	92	90	91	93
CISK 305		43			41			80			81		
CISK 312	45			47			91		91			100	
CISK 315	50	43	47	41	36	40	88		92	96		92	76
CISK 330		48			42			96			88		
CISK 332	41		44			50			88			84	
CISK 343		50			35			79			71		
CISK 346	48	43	50	48	45	46	92	80	100	96		100	100
CISK 347	50	43		43	50	47	100	88	96	100	100	96	78
CISK 450	41	40	30	45	46	42	86	86	85	67	67	91	87
CISK 476	50			46			100			100	100		100
CISK 478		45			50			81		80	96		100
CISK 480	44			50	50		94			100			100
All	**46**	**44**	**44**	**44**	**44**	**44**	**85**	**86**	**92**	**90**	**86**	**93**	**88**

Source: Student Class Report (CBM004)