

Bachelor of Science in Computer Science - 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/ C SK 380	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 476/ C SK 476	INTW 2321, CISK 347	CISK 348	Improve Sequencing

Evaluation: Students succeeded in courses at an average rate of 25% to 50% between Spring 2013 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. Overall, the change improved students' ability to complete these courses.

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

Course	2013 Spring	2014 Spring	2015 Spring	2016 Spring	2016 Fall
C SK 380	40%	37%	63%	92%	
C SK 478	25%	50%	71%	100%	80%
All	33%	42%	67%	95%	80%

Source: Student Schedule Report (CBM00S)